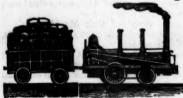
# AMERICAN RAILROAD JOURNAL,

## AND GENERAL ADVERTISER

FOR RAILROADS, CANALS, STEAMBOATS, MACHINERY,

AND MINES.



ESTABLISHED 1831.



PUBLISHED WEEKLY, AT No. 23 CHAMBERS STREET, NEW YORK, AT FIVE DOLLARS PER ANNUM.

SECOND QUARTO SERIES, VOL. II., No. 7.j

SATURDAY, FEBRUARY 14, 1846.

[WHOLE No. 503, Vol. XIX.

BOSTON AND MAINE RAILROAD.
Upper Route. Boston to Portland via, Charlestown, Somerville, Malden,
will leave as follows, viz:—
will leave as follows, viz: town, Somerville, Malden,
Stoneham, South Reading,
Reading, Wilmington, Ballardvale, Andover, North
Andover, Bradford, Haverhill, Atkinson, Plaistow,
Newtown, Kingston, Past Kingston, Physics Control of the Control o

Andover, Bradford, Haverhill, Atkinson, Plaistow, Newtown, Kingston, East Kingston, Exeter, South Newmarket, Newmarket, Durham, Madbury, Dover, Somersworth, South Berwick, North Berwick, Wells, Kennebunk, Saco and Scarborough.

Winter Arrangement, 1845, 6. On and after Monday, October 20th, 1845, Passenger Trains will run daily, (Sundays excepted.) as follows, viz.

Leave Boston for Portland at 74 a.m., 24 p.m. Leave Boston for Great Falls at 74 a.m., 24 p.m. and 34 p.m. Leave Boston for Haverhill at 74 a.m., 28 p.m. and 34 p.m. Leave Portland for Rector at 71 a.m., 28 p.m. Leave Portland for Rector at 71 a.m., 29 p.m. 21, 31 and 5 p.m. Leave Portland for Boston at 71 a.m., am, and 3 p.m. Leave Great Falls for Boston at 61 a.m., 91 a.m. and 41 p.m. Leave Haverhill for Boston at 62, 82, and 11 a.m., and 61 p.m. Special Train.—A special train will leave Boston

or Andover at 111 a.m., and Andover for Boston at

34 p.m.

The Depot in Boston is on Haymarket Square. The Depot in Boston is on Haymarket Square. Passengers are not allowed to carry Baggage above \$50 in value, and that personal Baggage, unless notice is given, and an extra amount paid, at the rate of the price of a Ticket for every \$500 additional value.

CHAS. MINOT,
October 20, 1845.

43 1y Super't.

BOSTON AND PROVIDENCE RAILroad. Passenger Notice. Winter Arrangement. On and after Monday, Nov. 3, the Passenger
Trains will run as follows:
For New York-night line via Stopington

For New York—night line, via Stonington.— eaves Boston every day, but Sunday, at 44 p.m. Accommodation trains, leave Boston at 8 a.m. and 31 p.m., and Providence at 8 a.m. and 31 p.m. Dedham trains, leave Boston at 9 a.m. 3, 51

and 10 p.m. Leave Dedham at 8 and 10 a.m., and 4 and 7 p.m. Stoughton trains, leave Boston at 12 m. and

All baggage at the risk of the owners theneof.

N.B. The last train to and from Boston and Dedham, will be omitted in case of a severe snow storm.

W. RAYMOND LEE, Sup't. 31 1y

BRANCH RAILROAD and STAGES CONnecting with the Boston and Providence Railroad.

Stages connect with the Accommodation trains at the Foxboro' Station, to and from Woonsocket. At the Seekonk Station, to and from Lonsdale, R. I. via Pawtucket. At the Sharon Station, to and from Walpole, Mass. And at Dedham Village Station, to and from Medford, via Medway, Mass. At Providence, to and from Bristol, via Warren, R. I., Taunton, New Bedford and Fall River cars run in connection with the accommodation trains.

CRIBNER'S ENGINEERS.

SCRIBNER'S ENGINEERS' AND ME-

Accommodation Trains, daily, except Sunday. Leave Norwich, at 6 a.m., and 41 p.m. Leave Worcester, at 10 a.m., and 41 p.m.

morning and evening trains from Worcester, con-nect with the Boston, Western, and Hartford and Springfield railroads.

New York Train, via Steamboat. Leaves Norwich for Worcester and Boston, every morning ex-cept Monday, upon the arrival of the boat from New York, about 2 a.m. Leaves Worcester for Norwich and New York, at 51 p.m., daily, except

Sunday.

New York Train, via Long Island Railroad. Leaves Norwich about 3 p.m., for Worcester and Boston, daily, except Sunday. Leaves Worcester for Norwich and New York, at 7‡ a.m., daily, except Sunday, and arrives in Norwich at 9‡. Freight Trains. Daily, except Sunday.

The Fares are less when paid for Tickets, than when paid in the cars.

when paid in the cars.

EMERSON FOOTE, Superintendent.

NEW YORK AND HARLEM RAIL-Road Company.—Winter Arrangement.

Con and after November 3d, 1845,
the cars will run as follows:
Leave City Hall for Yorkville, Harlem, Morrisiana, and Williams' Bridge,
7 30 A.M. This train leaves 27th st.
7 30 " Does not stop this side of Harlem.
10 30 " Does not stop this side of Harlem.

11 30 P.M. Does not stop this side of Harlem. 30

Does not stop this side of Harlem.

Leave White Plains for City Hall-8:10, 11:10

NEW YORK AND ERIE RAILROAD LINE. For Middletown, Goshen, and inter-mediate places. Two daily mediate places. Two daily lines each way, as follows: For passengers, the new, and commedious steamboat For passengers, the new, and commonous steampoat St. Nicholas, Capt. Alex. H. Shultz, will leave the foot of Duane street daily, [Sundays excepted.] at 71 o'clock, A.M., and 5 o'clock, P.M., through in five hours. Returning, the cars will leave Middletown at 6, A.M., and 41, P.M. For further particulars inquire of J. Van Rensselaer, Agent, corner of

Duans and West streets,
H. C. SEYMOUR, Superintendant,
Stages run from Middletown daily, in connecticate with the afternoon line, to Bloomingburg, Wullaboro, Monticello, Mt. Pleasant, Binghampton, Owego, Port Jervis, Honesdale Carbondale, etc.,
On Monday, Wednesday, and Friday, to Dundaff, Montrose, Friendsville, Lenox, Brooklyn, etc.,
31 1y

BALTIMORE AND OHIO RAILROAD.
MAIN STEM. The Train carrying the
Great Western Mail leaves Bal-Great Western Mail leaves Bartimore every morning at 74 and Cumberland at 8 o'clock, passing Ellicott's Mills, Frederick, Harpers Ferry, Martinsburgh and Hancock, conncting daily each way with—the Washington Trains at the Relay House seven miles from Baltimore, with the Winchester Trains at Harpers Ferry — with the various railroad and Harpers Ferry — with the various railroad and steamboat lines between Baltimore and Philadelphia steamboat lines between Baltimore and Philadelphia and with the lines of Post Coaches between Cumberland and Wheeling and the fine Steamboats on the Monongahela Slack Water between Brownsville and Pittsburgh. Time of arrival at both Cumberland and Baltimore 51 P. M. Fare between those points \$7, and 4 cents per mile for less distances. Fare through to Wheeling \$11 and time about 36 hours, to Pittsburgh \$10, and time about 32 hours. Through tickets from Philadelphia to Wheeling \$13, to Pittsburgh \$12. Extra train daily except Sundays from Baltimore to Frederick at 4 P. M., and from Frederick to Baltimore at 8 A. M.

WASHINGTON BRANCH.
Daily trains at 9 A. M. and 5 P. M. and 12 at night from Baltimore and at 6 A. M. and 5 P. M. from Washington, connecting daily with the lines North, South and West, at Baltimore, Washington and the Relay house. Fare \$1 60 through between Baltimore and Washington, in either direction, 4 cents per mile for intermediate distances. s13 1y

DAVIS, BROOKS & Co., 30 WALL ST. Have now on hand and for sale, 200 tons 21 x 1 inch Flat punched Rails, Bars 18 feet each.

mee, to and from Bristol, via Warren, R. I.,—
inton, New Bedford and Fall River cars run in
meetion with the accommodation trains.

The City Hall and 27th street line will run every
to minutes from 7:30 a.m. to 8 p.m.

The City Hall and 27th street line will run
to 8 p.m.

The City Hall and 27th street line will run
to 8 p.m.

The City Hall and 27th street line will run
to 8 p.m.

The City Hall and 27th street line will run
to 8 p.m.

The City Hall and 27th street line will run
to 8 p.m.

The City Hall and 27th street line will run
to 8 p.m.

The City Hall and 27th street line will run
to 8 p.m.

The City Hall and 27th street line will run
to 8 p.m.

The City Hall and 27th street line will run
to 8 p.m.

The City Hall and 27th street line will run
to 8 p.m.

The City Hall and 27th street line will run
to 8 p.m.

The City Hall and 27th street line will run
to 8 p.m.

The City Hall and 27th street line will run
to 8 p.m.

The City Hall and 27th street line will run
to 8 p.m.

The City Hall and 27th street line will run
to 8 p.m.

The City Hall and 27th street line will run
to 8 p.m.

The City Hall and 27th street line will run
to 8 p.m.

The City Hall and 27th street line will run
to 8 p.m.

The City Hall and 27th street line will run
to 8 p.m.

The City Hall and 27th street line will run
to 8 p.m.

The City Hall and 27th street line will run
to 8 p.m.

The City Hall and 27th street line will run
to 8 p.m.

The City Hall and 27th street line will run
to 8 p.m.

The City Hall and 27th street line will run
to 8 p.m.

The City Hall and 27th street line will run
to 8 p.m.

The City Hall and 27th street line will run
to 8 p.m.

The City Hall and 27th street line will run
to 8 p.m.

The City Hall and 27th street line will run
to 8 p.m.

The City Hall and 27th street line will run
to 8 p.m.

The City Hall and 27th street line will run
to 8 p.m.

The City Hall and 27th street line will run
to 8 p.m.

The City Hall and 27th street line will run
to 8 p.m.

The City Hall and 27th street line will run
to 8 p.m.

The City Hal

BALTIMORE AND SUSQUEHANNA ailroad. The Passenger train runs daily except Sunday, as follows: except Sunday, as follows:

Leaves Baltimore at 9 a.m., and arrives at 61 p.m. Arrives at York at 121 p.m., and leaves for Columbia at 14 p.m. Leaves Columbia at 2 p.m., and leaves York for Baltimore at 3 p.m. Fare to York \$2. Wrightsville \$2 50, and Columbia \$2 621. The train connects at York with stages for Harrisburg, Gettysburg, Chambersburg, Pittsburg and York Springs.

Fare to Pittsburg. The company is authorized by the proprietors of Passenger lines on the Pennsylvania improvements, to receive the fare for the whole distance from Baltimore to Pittsburg. Baltimore to Pittsburg.—Fare through, \$9 and \$10.

Afternoon train. This train leaves the ticket office-daily, Sundays excepted, at 31 p.m. for Cockeys.

fice daily, Sundays excepted, at 31 p.m. for Cockeys-ville, Parkton, Green Springs, Owings' Mills, etc. Returning, leaves Parkton at 6 and Cockeysville and Owings' Mills at 7, arriving in Baltimore at 9 o'clock a.m.

Tickets for the round trip to and from any point can be procured from the agents at the ticket offices or from the conductors in the cars. The fare when tickets are thus procured, will be 25 per cent. less, and the tickets will be good for the same and follow-

any passenger train.
D. C. H. BORDLEY, Sup't.
Ticket Office, 63 North st. 31 1y

PENTRAL RAILROAD-FROM SAVAN-nah to Macon. Distance 190 miles. This Road is open for the trans-

Preight. Rates of Passage, \$8 00. Freight—
On weight goods generally... 50 cts. per hundred.
On measurement goods ...... 13 cts. per cubic ft. On brls. wet (except molasses

......\$1 50 per barrel. ot lime)... 80 cts. per barrel. and oil).... On brls. dry (except lime)... On iron in pigs or bars, castings for mills, and unboxed

free of commission. THOMAS PURSE,
Gen'l. Sup't. Transportation.

GUSTA to ATLANTA—171 MILES.

This Road in connection with the South Carolina Railroad and

the Western and Atlantic Road now forms a con-tinuous line of Railroad of 360 miles from Charleston to Cartersville, two miles west of the Etowa River in Cass County

Rates of Freight, and Passage from Augusta to Cartersville.

On Boxes of Hats, Bonnets, and Furniture

Passengers 59 50; candren under 12 years of age and servants, half price.

Passengers to Atlanta, head of Ga. Railroad, \$7.

German or other emigrants, in lots of 20 or more, will be carried over the above roads at 2 cents per mile.

Goods consigned to S. C. Railroad Co. will be forwarded free of commissions. Freight payable at Augusta.

J. EDGAR THOMPSON,

EDGAR THOMAS Agent.
Ch. Eng. and Gen. Agent.
\*44 1y Augusta, Oct. 21 1845.

EXINGTON AND OHIO RAILROAD.

Trains leave Lexington for Frankfort daily,
at 5 o'clock a.m., and 2 p.m. Trains leave Frankfort for Lexington daily, at 8 o'clock a.m. and 2 p.m. Distance, 25 miles. Fare \$1.25.

On Sunday but one train, 5 o'clock a.m. from Lexington, and 2 o'clock p.m. from Frankfort.

The winter arrangement (after 15th September to 15th March) is 6 o'clock a.m. from Lexington, and 9 a.m. from Frankfort, other hours as above.

WESTERN AND ATLANTIC RAILroad. The Western and Atlantic Railroad is now in operation to Marietta, and will be opened to Car-tersville, in Cass county, on the 20th of Octoberand to Coosa Depot, (formerly known as Borough's,) on the 20th of November.

The passenger train will continue, as at present to connect daily (Sundays excepted) with the train from Augusta, and the stage from Griffin.

CHAS. F. M. GARNETT.

Chief Engineer. ITTLE MIAMI RAILROAD. -- DIStance 654 Miles. Fare, \$1 50. From 1st ger Trains leave Cincinnati for

Xenia at 11 o'clock, A.M.
Returning, leaves Xenia at 81 o'clock, A.M.
Freight Trains run daily, Sundays excepted.
At Xenia, Passenger Trains connect with daily lines of stages to Columbus, Wheeling, Cleveland and Sandusky city.
W. H. CLEMENT,

Supt. and Engineer.

NICOLL'S PATENT SAFETY SWITCH for Railroad Turnouts. This invention, for some time in successful operation on one of the principal railroads in the country, effectually prevents engines and their trains from running off the track

at a switch, left wrong by accident or design.

It acts independently of the main track rails, being laid down, or removed, without cutting or displacing

It is never touched by passing trains, except when in use, preventing their running off the track. It is simple in its construction and operation, requiring only two Castings and two Rails; the latter, even if the

much worn or used, not objectionable.

Working Models of the Safety Switch may be side. seen at Messrs. Davenport and Bridges, Cambridge. port, Mass., and at the office of the Railroad Journal, New York.

Plans, Specifications, and all information obtained on application to the Subscriber, Inventor, and Patentee. G. A. NICOLLS,

ja45 Reading, Pa BRINLEY, Manufacturer, Perth Amboy, solidity for years.

N. J. Guaranteed equal to any, either domestic or domestic or downward. Terms, ed barrels, by JOHN W. LAWRENCE,

foreign. Any shape or size made to order. Terms, 4 mos. from delivery of brick on board. Refer to James P. Allaire, James F. Aliant,
Peter Cooper,
Murdock, Leavirt & Co.
J. Triplett & Son, Richmond, Va.
J. R. Anderson, Tredegar Iron Works, Rich-

mond, Va. J. Patton, Jr.

J. Patton, Jr.
Colwell & Co.
J. M. L. & W. H. Scovill, Waterbury, Con.
N. E. Screw Co.
Eagle Screw Co.
Provicence, R. I.
William Parker, Supt. Bost. and Worc. R. R.
New Jersey Malleable Iron Co., Newark, N. J.
Gardiner, Harrison & Co. Newark, N. J.
25,000 to 30,000 made weekly.

25,000 to 30,000 made weekly.

EORGE VAIL & CO., SPEEDWELL IRON
Works, Morristown, Morris Co., N. J.—Manufacturers of Railroad Machinery; Wrought Iron
Tires, made from the best iron, either hammered or rolled, from 14 in. to 24 in thick.—bored and turned outside if required. Railroad Companies wishing to order, will please give the exact inside diameter, or circumference, to which they wish the Tires made, and they may rely upon being served according to order, and also punctually, as a large quantity of the straight bar is kept constantly on hand.—Crank Axles, made from the best refined iron; Straight Axles, for Outside Connection Engines; Wro't. Iron Engine and Truck Frames; Railroad Jack Screws; Railroad Pumping and Sawing Machines, to be driven by the Locomotive; Stationary Steam Engines; Wro't. Iron work for Steamboats, and Shafting of any size; Grist Mill, Saw Mill and Paper Mill Machinery; Mill Gearing and Mill Wright work of all kinds; Steam Saw Mills of simple and economical construction, and very effective Iron and Brass Castings of all descripions.t to order, will please give the exact inside diameter

MACHINE WORKS OF ROGERS, Ketchum & Grosvenor, Patterson, N. J. The undersigned receive orders for the following articles, manufactured by them of the most superior descrip-tion in every particular. Their works beingexten-sive and the number of hands employed beinglarge, they are enabled to execute both large and small orders with promptness and despatch.
Railroad Work.

Locomotive steam engines and tenders; Driving and other locomotive wheels, axles, springs & flange tires; car wheels of cast iron, from a variety of pat-terns, and chills; car wheels of cast iron with wrought tires; axles of best American refined iron; springs; boxes and bolts for cars.

Cotton, Wool and Flax Machinery

of all descriptions and of the most improved patterns,

style and workmanship.

Mill gearing and Millwright work generally;
hydraulic and other presses; press screws; callenders; lathes and tools of all kinds; iron and brass

ders; laines and tools of all castings of all descriptions.

ROGERS, KETCHUM & GROSVENOR,

ROGERS, N. J., or 60 Wall street, N. York. TO RAILROAD COMPANIES AND MANufacturers of railroad Machinery. The subscribers have for sale Am. and English bar iron, of all sizes; English blister, cast, shear and spring steel; Juniata rods; car axles, made of double refined iron; sheet and boiler iron, cut to pattern; tiers for loco-motive engines, and other railroad carriage wheels, made from common and double refined B. O. iron; the latter a very superior article. The tires are made by Messrs. Baldwin & Whitney, locomotive engine manufacturers of this city. Orders addressed to them, or to us, will be promptly executed.

When the exact diameter of the wheel is stated in

the order, a fit to those wheels is guaranteed, saving to the purchaser the expense of turning them out in-side. THOMAS & EDMUND GEORGE, N. E. cor. 12th and Market sts., Philad., Pa.

AWRENCE'S ROSENDALE HYDRAand when the state of the state

142 Front street, New York.

3 Orders for the above will be received and promptly attended to at this office. 32 ly

THE SUBSCRIBERS, SOLE AGENTS for the sale of Codorus,

Glendon,
Spring Mill, and
Valley,
Have now a supply, and respectfully solicit the Have now a supply, and respectfully solicit the patronage of persons engaged in the making of Machinery, tor which purpose the above makes of Pig Iron are particularly adapted.

They are also sole Agents for Wa'son's celebrated Fire Bricks ard prepared Kaolin or Fire Clay, orders for which are promptly supplied.

SAM'L. KIMBER, & CO.,
59 North Wharves,

Jan. 14, 1846. [1v4] Philadelphia. Pa.

Philadelphia, Pa. Jan. 14, 1846. [1y4]

MANUFACTURE OF PATENT WIRE Rope and Cables for Inclined Planes, Standing Ship Rigging, Mines, Cranes, Tillers etc., by JOHN A. ROEBLING, Civil Engineer, Pittsburgh, Pa

These Ropes are in successful operation on the planes of the Portage Railroad in Pennsylvania, on the Public Slips, on Ferries and in Mines. The first rope put upon Plane No. 3, Portage Railrord, has power and the public statement of the property of the produced on the public statement of the produced on the public statement of the public s has now run 4 seasons, and is still in good condi-2v19 ly

RAILROAD IRON.—THE "MONTOUR Iron Company," Danville, Pa., is prepared to execute orders for the heavy Rail Bars of any pattern now in use, in this country or in Europe, and equal in every respect in point of quality. Apply to MURDOCK, LEAVITT & CO., Agents.

48 ly

Corner of Cedar and Greenwich Sts.

RAILROAD IRON AND LOCOMOTIVE Tyres imported to order and constantly on hand A. & G. RALSTON 4 South Front St., Philadelphia. Mar. 20tf

THE NEWCASTLE MANUFACTURING Company continue to furnish at the Works, situated in the town of Newcastle, Del., Locomotive and other steam engines, Jack screws, Wrought iron work and Brass and Iron castings, of all kinds connected with Steamboats, Railroads, etc.; Mill Gearing of every description; Cast wheels (chilled) of any pattern and size, with Axles fitted, also with wrought tires, Springs, Boxes and bolts for Cars; Driving and other wheels for Locomotives.

The works being on an extensive scale, all orders

Railroad Componies, Iron Founders, and others interested in the works to which the same relate. Companies reconstructing their tracks now have an operation of every description; Cast wheels (chilled) of any pattern and size, with Axles fitted, also with wrought tires, Springs, Boxes and bolts for Cars; Driving and other wheels for Locomotives.

W. Mc. C. CUSHMAN, Civil Engineer, Albany, N. Y. Company continue to furnish at the Works,

will be executed with promptness and despatch.
Communications addressed to Mr. William H.
Dobbs, Superintendent, will meet with immediate attention.
ANDREW C. GRAY,
ja45 President of the Newcastle Manuf. Co.

of

E by

ihe

ly

JR red

CUSHMAN'S COMPOUND IRON RAILS.
etc. The Subscriber having made important improvements in the construction of rails, mode of guarding against accidents from insecure joints, etc. respectfully offers to dispose of Company, State Rights, etc., under the privileges of letters patent to Railroad Componies, Iron Founders, and others interested in the works to which the same relate. Companies reconstructing their tracks now have an op-

Albany, N. Y.

Mr. C. also announces that Railroads, and other works pertaining to the profession, may be construct-ed under his advice or personal supervision. Applicaitons must be post paid.

TO RAILROAD COMPANIES AND BUILD-ERS OF MARINE AND LOCOMOTIVE ENGINES AND BOILERS.

#### PASCAL IRON WORKS.

#### WELDED WROUGHT IRON TUBER

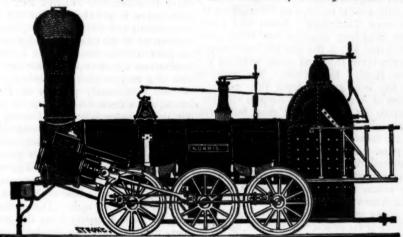
From 4 inches to \( \) is calibre and 2 to 12 feet to capable of sustaining pressure from 400 to 2500 per square isoch, will Stop Cocks, T. \( \). \( \), \( \), \( \) other fixtures to suit, fitting together, with set joints, suitable for STEAM, WATER, GAS, and LOCOMOTIVE and other STEAM BOILER Fur

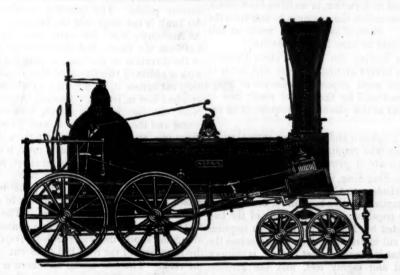


Manufactured and for sale by MORRIS, TASKER & MORRIS-archouse S. E. Corner of Third & Walnut Street PHILADELPHIA.

#### NORRIS' LOCOMOTIVE WORKS.

BUSH HILL, PHILADELPHIA, Pennsylvania.





MANUFACTURE their Patent 6 Wheel Combined and 8 Wheel Locomotives of the following descriptions, viz:

Class 15 inches Diameter of Cylinder, × 20 inches Stroke. 44 14 × 24 44 3, ... 46 × 20 144 × 20 121 44 46 66 × 20 44 44

101 × 18 With Wheels of any dimensions, with their Patent A rangement for Variable Expansion.

Casings of all kinds made to order: and they call attention to their Chilled Wheels for the Trucks of Locomptives, Tenders and Cars

NORRIS, BROTHERS.

RAILROAD IRON.—THE MARY-LAND AND NEW YORK IRON AND Coal Company are now prepared to make contracts for Rails of all kinds. Address the Subscriber, at Jennon's Run, Alleghany County, Maryland.

WILLIAM YOUNG,

President. iv451m TO IRON MASTERS.—FOR SALE.—MILA.
SITES in the immediate neighborhood of Bifunctions Coal and Iron Ore, of the first quality, at
Ralston, Lyoming Co., Pa. This is the nearest
point to tide water where such coal and ore are

found together, and the communication is complete with Philadelphia and Baltimore by canals and railways. The interest on the cost of water power railways. The interest on the cost of water power and lot is all that will be required for many years the coal will not cost more than \$1 to \$1.25 at the mill sites, without any trouble on the part of the manufacturer; rich iron ore may be laid down still more cheaply at the works; and, taken toget her these sites offer remarkable advantages to practical manufacturers with small capital. For pamphlets descriptive of the property, and further information, apply to Archibald McIntyre, Albany, to Archibald Robertson, Philadelphia, or to the undersigned, at No. 23 Chambers street, New York, where may be seen specimens of the coal and ore.

W. R. CASEY, Civil Engineer,

VALUABLE PROPERTY ON THE MILL. V Dam For Sale. A lot of land on Gravelly Point, so called, on the Mill Dam, in Roxbury, fronting on and east of Parker street, containing 68,497 square feet, with the following buildings

Main brick building, 120 feet long, by 46 ft wide, two stories high. A machine shop, 47x43 feet, with large engine, face, screw, and other lathes, suitable to do any kind of work.

Pattern shop, 35x32 feet, with lathes, work bench-

es, &c.
Work shop, 86x35 feet, on the same floor with the pattern shop.

pattern shop.

Forge shop, 118 feet long by 44 feet wide on the ground floor, with two large water wheels, each 16 feet long, 9 ft diameter, with all the gearing, shafts, drums, pulleys, &c., large and small trip hammers, furnaces, forges, rolling mill, with large balance wheel and a large blowing apparatus for the foundry.

Foundry, at end of main brick building, 60x454 feet two stories high, with a shed part 454x20 feet, containing a large air furnace, cupola, crane and corn oven.

corn oven.

corn oven.

Store house—a range of buildings for storage, etc., 200 feet long by 20 wide.

Locomotive shop, adjoining main building, fronting on Parker street, 54x25 feet.

Also—A lot of land on the canal, west side of Parker st., containing 6000 feet, with the following buildings thereon standing:

Boiler house 50 feet long by 30 feet wide, two standings:

Blacksmith shop, 49 feet long by 20 feet wide For terms, apply to HENRY ANDREWS, 48 State st., or to CURTIS, LEAVENS & CO., 106 State st., Boston, or to A. & G. RALSTON & Co., initiadelphia.

CYRUS ALGER & CO., South Boston les Company.

bank of the Hudson river, from New York cessary at this place. to Albany .- New York, January 20, 1846.

Poughkeepsic in September last, I have expoint, where the line crosses it, is forty feet amined the route of the projected Hudson above the grade level of the road. The

examinations were made from Fourteenth street; and it has been thought best for the present estimate, to consider the route as start. the low ground and marsh above, through ing from the lower end of Hudson street; following that street to its intersection with Fourteenth street; down Fourteenth street feet span. After crossing the marsh, the line to the Eleventh avenue; and thence on this passes over a low narrow neck of land, and avenue to the point above mentioned, at Forty-second street, where the survey was regu. to near Sing Sing, much in the same manner larly commenced. The line continues in the and with similar facilities as described for the Eleventh avenue to Fifty-eighth street, and there diverges to the shore of the Hudson; below Sing-Sing prison, a bold rocky point it then follows the shore, (in the Twelfih av. occurs, that forces the line out, and compels enue, for about one and a half miles,) occa. it to run three thousand seven hundred feet sionally cutting off points of projecting land, across Keinys' bay below. The water in to the mouth of Harlæm creek. Several of this bay is of greater depth than usual; a the projecting points are rock, the most importion of it is seven feet deep at ebb tide; portant of which is that opposite Fort Wash- materials for embankment may be conveington. The shore of the river is generally niently obtained for a part of the distance, favorable for an embankment, where it is ne- and the balance may be crossed by bridging cessary, between the projecting points, and along the banks that are too steep to admit the work to leave the river. The depth of water, as far out as the embankment will extend, at those places where mostly or entirely through between the prison and the hill, within the river, is generally from one to two out, in any respect, injuring the safety or confeet at ebb tide; and in no place exceeds venience of the prison. To do this, however, three feet. The loose stone that may be obtained along the shore, out of the earth that earth and rock cutting, in walls and in bridges, will be excavated to form the embankment, to accommodate the passages to and from the and from the rock excavation, will furnish prison. Most, if not all, the work at this and from the rock excavation, will furnish prison. sufficient materials to protect the river side of place could be done by the convicts. bank against the wash of the river.

In crossing the bay at the mouth of Har-læm creek, a draw bridge will be required to accommodate vessels that pass up the creek a short distance to stone quarries. The channel is shoal, only admitting vessels at high tended. water. The bay is sixteen hundred feet wide, and has from nothing to three feet buildings will require to be removed; none ing a low narrow ridge, mostly rock, it again depth of water at ebb tide. It may be cross- of which are of great value. ed, partly by carrying out an embankment, and partly by a bridge supported on piles.

the shore of the river, in a position similar to that already described, until it reaches Tarry-town. On this portion very little rock occurs; and not sufficient stone is found to make all the protection against the river that will be required. The balance may be obtained from quarries in the vicinity. The river bank is generally less hold than along New York island, and a less amount of em-bankment will be required. The depth of the Croton bay on the south, and Collaberg across, it reaches a valley, which it follows; the outer base of the embankment. Except bay, the line reaches Collaberg village, run-grading is very favorable through this valley where the bank crosses bays between projec- ning in rear of most of the wharves; it con- until it comes nearly opposite the house of ting points, the level of the ground at the tinues along the shore of the river for about Mr. Phillips, where a deep cut must be made centre line of road will generally be above four miles above Collaberg. This shore is mostly through rock. This is the most for-high water level. At Yonkers, a draw in general more rocky and uneven than that midable cut that is encountered on the route.

At Tarrytown the line leaves the river, In compliance with instructions from a and runs across a point of land that projects committee apprinted by a convention held at too far to pass around. The summit of this grade of the road to rise for two miles, at the river railroad.

Description of the Route.—An instrumental survey was commenced at Forty-second street, in Eleventh avenue of this city. Some earth that will be easily removed. A constructions were made from Eleventh avenue of the sides block and just outside of others. The latter will require the street of the shore of the shore of the river, passing through Peekskill between the hill and some of the wharves, and just outside of others. The latter will require the street of the shore of the sh siderable portion of the earth from this cut require to be extended, so that vessels may will be required for an embankment across reach them outside of the railroad. which a small stream, called Mill river runs. This stream will require a bridge of thirty then regains the river shore, which it follows will require rather heavy expense in deep

ver bank is generally less bold than along easy excavation, and will be used to a great vorable. The line now leaves the river; water at ebb tide, rarely exceeds two feet at bay on the north. After crossing the latter giving a direct line to West Point bay. The bridge will be required, for vessels to pass up before described below Sing-Sing. Several Its length is one thousand nine hundred and

Report on the project of a railroad on the east Sawmill river; no other bridge will be ne-brick yards are passed; some of which will require extra expense to provide for their ac-commodation. At this place it leaves the river, and enters a valley, that requires the

At Peekskill the Highland section commences. After leaving the village, the line follows the shore of the river nearly half a mile, to a rocky point on the south side of Peekskill creek. Thence it crosses the broad bay at the mouth of this creek, a distance of three thousand five hundred feet, to a bold point called Royer Hook. The bay is shoal generally two feet (but a few places three feet) water at ebb tide. A bridge supported on piles will be most suitable to carry the road across a greater part of this bay; a portion of it may be advantageously embanked. Vessels occasionally pass up the Peekskill creek, and a draw bridge must be provided for their accommodation. Passing Royer Hook the line continues along the shore of the river, two and a half miles, cutting off some rocky points, to a narrow promontory known as Anthony's Nose. The water is shoal, generally, at ebb tide, from one to two feet deep at the outer base of the bank. This shore is nearly all rock. The embankment will be formed mostly from the masses of loose rock that lie along the shore, and from that excavated from the cuts across several narrow points. The quantity required for the bank is not large, and the line very good. At Anthony's Nose the water is deep a few feet from the shore, but this is not material, After leaving the prison a short distance, as the direction of the line, to pass the nose, the line curves around near the hill, so as to with a radius of two thousand feet, requires a leave the most important wharves of Sing-deep cut across it, or a tunnel of about four Sing unaffected by the line of road; one of hundred feet in length. Passing Anthony's the docks at this place will require to be ex- Nose, the line enters a marsh, between an island and the eastern shore, and follows it At Tarrytown and Sing-Sing, several small about one and a quarter miles; then, crossby a direct line, reaches the river shore, which If, partly by carrying out an embankment, ad partly by a bridge supported on piles.

From Sing-Sing, the line follows the shore it follows for three-fourths of a mile. This of the Hudson to Croton bay. The Croton shore is rocky, not very bold; the water, river empties into this bay, and a draw bridge shoal, requiring a moderate amount of exca-

reduce the quantity of rock that the balance mon to the whole line, is to be crossed partly by an embankment and lem creek, one at Croton river, and one at partly by a bridge on piles. The line then Peekskill creek. The first will be the most It then passes through the village of Cold Spring, crossing the main street by a cut that admits a bridge over the railroad. From Cold Spring to Breekroeck bill a dictarge of the street of Boston, by James Hayward, Esq., gan's line follows the river about one mile, miles, nothing of note occurs; the line may satisfactorily. be graded at a moderate expense. Breakneck is a short, bold point, and, to secure a good line, must be cut through. It will re-will be sufficient to guard against any dan-lage of Fishkill and Albany, at a distance of quire a tunnel of five hundred feet in length. ger of running the cars into the river in the from one to five miles from the river. It rises abruptly to its summit, requiring no event of their being thrown off the track. It great amount of rock occurs. The embankcrosses the street leading to the main wharf at Fishkill landing, in a deep cut, that permis a bridge to be carried over the railroad.

On the route there are several places where bays are crossed, that will require culverts, or bridges, to allow small boats to pass under the railroad, as well as to provide for the flow of the tide into the bays. These culverts or and will not materially affect the movement ments. Generally, the cuttings and fillings bridges will provide for the streams that fall of a train of cars, the momentum of which are of moderate extent. into the bays. In general, the estimate will be based on building permanent embankments will carry them over these short ascents.

The route from New York to Fishk across the bays, as well as along the margin landing has been traced by instrumental sur- of from thirty to forty feet span. Proceeding of the river; protecting them from the wash vey. As this portion presented the difficulof the river; protecting them from the wash of the river, partly by a regular wall, and ties of the enterprize, the surveys and examitance of three miles. The line passes small partly by a mass of stone compactly formed nations have been made with much care. It knolls and hollows; some of the former are on the river side of the bank. The bank to be raised ten feet above ebb tide, as the ordi-dicate facilities for more or less improving the convenient for the embankments required. hary grade of the road; an additional height to be given at such points, as, from their exposure to ice, or heavy spray, appear to require it. Across some of the large bays previously noticed, where it is not convenient to be presented in as much detail as is believed to be necessary for a full understand in the previously noticed, where it is not convenient to obtain materials for embankments required. The soil inclines to heavy loam, with gravel and sand interspersed. The prevailing rock is graywacke. The line here reaches a beautiful plain, very moderately undulating—with very light work it passes the village of the standing of the subject.

With very light work it passes the village of the passing Elbow creek, posed to construct the road on a bridge supported by piles, similar in plan (although much less length will be required for the R. P. Morgan, civil engineer, in 1842. Mr. large portion of this is under the grade level; embankment will not be convenient, a piled per, however, to remark, that the delineation of country on his map and profile, and his description, so far as it goes, have been found by the recent survey to be substantially correct. It is proposed. These places may be description, so far as it goes, have been found by the recent survey to be substantially correct. It is proposed. These places may be description, so far as it goes, have been found by the recent survey to be substantially correct. It is proposed appears in several places, and becomes more slaty. About Hyde Park the soil is sand description, so far as it goes, have been found by the recent survey to be substantially correct. It is proposed appears in several places, and becomes more provided and gravelly loam; as the line approaches Rhinebeck, the soil becomes a stiff clay loam, and near Rhinebeck, the soil becomes a stiff clay loam, and near Rhinebeck sand and gravel again try between Fishkill landing and Albany, following the route surveyed by Mr. Morgan.

sixty-two feet deep. A tunnel of five hun-places than those provided for in the cases trace his line so far as to see its general cordred feet will be estimated for, which will so above stated; the plan of these will be com- respondence with the formation of the coun-

In the estimate provision is made for a wide

piles) to that used for several railroads at Boston. For the several pieces of marshy ground made as thoroughly as the one above pre- with two valleys, one of twenty feet, and one that have been described, which mostly occur sented; probably from the want of time and thirty feet below grade; materials for filling in the Highland district, where materials for means to make it more complete. It is pro- are easily obtained at short distances. Rock

eighty feet, gradually rising from zero to be required to pass small streams at other With his map and profile in hand, I could try. It was not practicable, from this examimay be advantageously used for the bank in the bay above. The bay is shoal water, and be required—one at Yonkers, one at Hargrades given by him; but the general form the bay above. The bay is shoal water, and be required—one at Yonkers, one at Hargrades given by him; but the general form the bay above. crosses a marsh, and part of Constitution used; probably an average of six times per by instrumental examination, leave no doubt island, to a small bay of shoal water, which it crosses immediately below Cold Spring week during the season of navigation. At landing, by a direct line of about two miles. this time they would not be used as much. remarks I proceed to the reconnoissance from

Spring to Breakneck hill, a distance of two civil engineer, which is found to operate very when the grade, (sixteen feet to the mile,) begins to leave the river shore, and, following a gentle slope, rises towards the table land,

The country from Fishkill landing presents great amount of cutting, to reach the point to be tunnelled. After passing Breakneck hill, many cases pass along on the banks of large there is no serious obstacle to the line to Fish-bill landing. It follows along and near the kill landing. It follows along and near the without protection of any kind against such landing, the line crosses Wappinger's creek shore, where the water is shallow, and no accidents as alluded to above, and they are at an elevation favorable for a bridge over it. scarcely noticed as circumstances of peculiar The bed and shores of the creek at this place ments and excavations will, mostly, be earth. danger. It is nevertheless most prudent to are of rock, affording safe and convenient It passes inside of Denning Point, and make the protection afforded by a wide road foundation for a stone bridge. The grade line has here attained an elevation of about The grade of the road from the point where one hundred and thirty-five feet above the level it leaves the influence of the grades of streets of the river. Continuing on various grades, Thus far the line has mainly followed the in New York, is, with the exception of the of from two to ten feet per mile, the line shore of the river. The total distance from line between Collaberg bay and Peekskill, reaches Poughkeepsie at an elevation of one Chambers street in New York city, to Fish- (a distance of about five miles,) essentially hundred and seventy-five feet above the river. kill landing, in Dutchess county, is sixty level. The departures being only cases to There are several small streams between miles and a half. the road in deep cuts; and to rise at certain require culverts; two, of ten feet span; two points, where it is supposed the ice or spray of six feet, and four of two feet span. There from the river may incommode the use of the are four valleys crossed on this section of the road; all of which are for short distances, line, that will require considerable embank-

> On leaving Poughkeepsie, the line crosses The route from New York to Fishkill Fall creek, a stream that will require a bridge

three of two feet span.

way. Thence to Hudson, the country pre- with a small proportion of graywacke. sents a surface that may be graded for a moderate expense. The soil is generally a clay country from Fishkill landing to Albany, it loam; sand and gravel appear to occur but presents a very favorable surface to obtain seldom. The prevailing rock of this section easy grades, and good lines for a railroad. It is graywacke and slate. Near Hudson, two is quite probable the line run by Mr. Morgan limestone ledges occur. The rock generally may, by a thorough survey, be much improvoccurs in insulated ridges and knolls, at a ed in several places. In order to prepare an distance of one-fourth to one half a mile from estimate, computations of quanties have been

span, will be required.

miles to Claverack creek. This creek will are to be constructed of stone masonry. At require a bridge of eighty feet water way. situations where the ground admits of it, pub-For a distance of two miles, including the lic roads are provided to pass over the railvalley of this creek, the ground is uneven, requiring embankments of considerable extent in crossing ravines in the table land, which, with the exception of these ravines sive character; but less so than might be expense sive character; but less so than might be expense of grading. The situation for crossing is very favorable, presenting a rock foundation for a bridge. The bridge will require a water way of one hundred feet. After crossing this creek, the line continues on the Kinderhook plains, and for about one and a half miles, (which brings it opposite the village of Kinderhook,) will be graded at a small expense. The surface of the ground then becomes considerably irrequently crossed by narrow ravines, that fall below the general surface of the plain. It then presents a very favorable surface for about four and a half miles to Mitchell's creek. This stream will require a culvert of

quire a bridge of twenty-five feet span. With fifteen feet span. The embankment across the same for roads of equal excellence, irre-t the exceeption of this and Fallkill at Pough- its valley will be heavy. From Mitchell's spective of the cost of grading. keepsie, there is no stream requiring a culvert creek to Van Buren creek, a distance of three larger than ten feet. Elbow creek requires and a half miles, the country is moderately a culvert of ten feet; and for other streams, irregular, without any important features, pense, it is necessary to consider the characone of six feet, two of four feet, and three of and will be of a medium character in expense ter and magnitude of the traffic the road is two feet, will be required.

At Rhinebeck the line is on a beautiful table land, over which the grade is maintained

of grading. The line is here descending designed to accommodate.

It will not be controverted that the construction of railroads within the last ten years, very easy, to the village of Red Hook, a dis-Buren's creek, for five miles north, it is in- in opening new, and improving old avenues tance of nine miles. The surface soil is tersected by numerous ravines, the most pro- of intercommunication, has produced a masandy loam; resting prabably on clay, and minent of which are those of Mourdener's terial influence on the relative advantages of in some places on slate rock. Very little creek and Vredi Kill. Van Buren's creek commercial towns. Natural obstacles to trade, rock appears in the immediate vicinity of the will require a bridge of forty feet span.; Mour-heretofore deemed insurmountable, have been line; though it appears at several places in deners and Vedri Kill 20 feet each. This sector agreed extent overcome, and in a greater analyzidges from one fourth to one mile from tion of five miles will be expensive grading or less degree, advantages equalized. small ridges from one fourth to one mile from tion of five miles will be expensive grading. or less degree, advantages equalized. The rock continues to be graywacke and After passing it, the line occupies very favor- seems no good reason to doubt that this mode slate. Saw Kill creek is the only stream of able ground for the next five miles, which of improvement will go on still more to equanote on this section; and will require a cul-brings it to the banks of the Hudson oppo-lize advantages by those means which have vert of ten feet span. Other small streams site Albany. In addition to the bridges and hitherto proved so successful, and cases will will require two culverts of four feet, and culverts mentioned in the above description, no doubt occur where the artificial channels From Upper Red Hook the country con Albany, one of eight feet span, one of six to a much greater degree, and change the tinues highly favorable to Clermont. About feet span, five of four feet span, and eight of commercial aspect of towns.

The soil on this section is This city enjoys natural the line crosses Ancram creek, a stream that with few exceptions a heavy clay loam. The trade of a very high order; and these have hitherto carried her forward at such a rapid

the line. One culvert of ten feet, two of six made from Mr. Morgan's profile, and my own feet, two of four feet, and five of two feet observations, which will be made the basis for the line above Fishkill landing. The es-From Hudson the line inclines easterly, timates provide that all bridges on this divis-

th

an wi

m

liti

col su

ers ter na

sea

en

un

cit

tio

At

oth

cil

ke

the

mo

we

fre

gr

ro tha

the

an

ch

aff

ma

of

be

sic

no

ly

ma

of

me

rir

the

it

ma

po

W

fre co

rit ing ab

lie fic its th tw at the hi

the first do the sta procij

Character and Importance of the Trade. Before proceeding to the estimate of ex-

there will be required, between Hudson and of communication will supercede the natural

This city enjoys natural advantages for rate, that her citizens have not thought it ne-In reference to the general character of the cessary to make any important movement to improve these advantages. The Hudson river and the canals of the state have borne their immense commerce to her wharves .-Until recently, it was supposed that nature had set its barriers so firmly against any change, that no diversion from this course of trade could be effected While it is fully believed these advantages will continue to afford the elements of extensive business to the city, it cannot, on the other hand, be doubted, that efforts for diversion, in the manner above passing over favorable ground about three ion, (above Fishkill landing) and all culverts alluded to, will be successful to a great expense of Characteristics to Characteristics and the successful to a great expense of the contraction of the sider how the enterprize under consideration may be made beneficial in maintaining and advancing the ascendency of the city, in the present and prospective commerce of the

ountry.

While the western and northern trade depended wholly on the canals for transportathat have been cut by small water courses, of a railroad from New York to Albany, on tion to the Hudson, there was comparatively presents a favorable surface. It then for two and near the east shore of the Hudson, is little importance in the means of winter transmiles presents light work, to a valley opponot only practicable, but may be accomplishing portation on the river. When the ice closed site the print works, near the mouth of Claed at a reasonable expense, as compared with the Hudson, it also closed the canals, and the verack creek. This valley will require a railroads generally in this country. The transit of property was suspended throughout. Heavy embankment. After leaving it the line is highly favorable for three miles, where Highlands will be, decidedly, of an expension river to Buffalo for the transportation of it reaches the Kinderhook creek, a short dis-sive character; but less so than might be ex freight during the winter, has materially

that direction, other articles will go with it, confidence of capitalists to obtain the requi-more useful as a means of transit, but would seasons; an advantage, it is not probable the that any railroad could maintain such com-

city should have a good winter communica places the proposition in a different light. tion with the interior, without which other

the year. It is believed to be unnecessary to dwell more on this point. The fact that the roads west of the Hudson are authorized to carry line; the remainder will be very easy curvafreight in the winter, renders it obviously of great importance that a continuation of these roads should extend to New York, in order three thousand to ten thousand feet radius. that this city may have a fair participation in the trade-may at least be a competitorand our fellow citizens in the interior have a be ascending or descending at the rate of from may be taken at four hours and a half. This choice of markets.

This may, and probably will, be greatly affected at times by the state of the Atlantic garded as well adapted to a high rate of speed. markets in the winter. But as an enterprize of the extent of the projected work cannot be sustained by the trade that may be occasionally stimulated to unusual activity, it is not regarded as suitable data on which to rely for its prospects of usefulness, though it may often be quite important to the commerce of the city, and the profits of the railroad.

ring the winter season, would be of great commercial importance, both to this city and will be safe from heaving by frost, which is lieved the road would afford an income sufits construction.

The legislature, by repeated acts, have authorized the construction of a railroad be-fenced against cattle, etc. tween New York and Albany; and efforts

and, more or less, the whole produce trade site means. The prominent reason has prowill be affected. And as produce finds a bably been, the belief that no railroad could

As a naval depot, it is very important this by railroads, which experience now exhibits,

The first consideration is the speed at which Atlantic cities, having far less advantages in the railroad may convey passengers. This ded as a matter resting on speculation. Exother respects, will be preferred, from the fawill depend mainly on the character of the perience has fully shown, that this speed may cilities which railroads will give them of road—its directness of line—its grades—and keeping up their communications throughout the smoothness and firmness secured in its tion is pleasant and highly satisfactory to traconstruction

> In regard to direction, the proposed route will be from four-fifths to five-sixth straight

In regard to grade, nearly half the length seven to seventeen feet per mile.

The line and grade may therefore be re-

Plan of Road. The following plan of road is proposed:

Width of excavations, generally 34 feet, for a double track; embankments, 26 to 30 road would maintain a successful competition feet; the latter width being for more exposed with steamboats, during the season of naviplaces on the river shore.

Foundations for superstructure, to be of clean gravel or sand, 21 feet deep, where In order to ascertain at what rate of fare the The position will hardly be denied, that a such material can be had; where this cannot proposed railroad can afford to run, an estirailroad on the route proposed, adapted to the be obtained of sufficient purity, broken stone mate of the cost will be presented, and then most economical transportation of freight due to be substituted so far as may be necessary, the cost of running it will be examined. the interior of the state. At the same time, so obviously an indispensable requisite for a sie; and thence to Greenbush, the masonry

could be sustained at remunerating prices du-of timber, to be laid down to receive the rails. that a large portion of this section lies along ring the season of navigation; and, depend-This is the only timber I propose to use in the river, requiring defences against its acing mainly on a winter business, averaging the superstructure, except for special purpotion, consequently the full width must be about four months of the year, it is not beses. On these sleepers, laid down at the rate made, or about twice the expense of such defendance. ficient to remunerate the capital required for feet 7 inches from centre to centre, I propose and then enlarging for a double track. On

reduce the expense of repairs.

A speed of 30 miles per hour has been sucmarket in Boston by means of superior faci- compete with the Hudson during the season cessfully maintained on the Long Island raillities in transportation, merchants from the of navigation, even for the passenger business. road, on the Norwich and Worcester, and to country will be led to that market for the supply of goods they need, and manufacturers for the cotton, etc., they want in the winfor a portion of the passenger trade.

It is now proposed to investigate the capasome extent, on other roads in this country. The first of these is very direct in line, with grades to some extent of 40 feet per mile: the ter season. Connections once formed will A few years ago, it would have been con- second, with grades of 30 feet to the mile, and naturally lead to more or less business at all sidered a hopeless task to undertake to show not peculiarly favorable in its curves. A enterprizing merchants of Boston will leave petition. But the safety, ease, rapidity and Great Western railroad in England. On each unimproved. economy in the transportation of passengers of the above roads a much higher speed has been run, on special occasions. In view of the character of the proposed road, a speed of 35 miles per hour can in no respect be regarbe regularly accomplished, and that the movellers in general. It is believed that no road, having established a high rate of speed, has been required by the public to adopt a lower rate. It is proverbial in this country, ture, only four instances as low as two thou-sand feet radius; the remainder being from ment, generally prefer the most expeditious mode of conveyance. Adopting this speed, 35 miles an hour, the time required to make of the road will be level; the remainder will the passage between this city and Albany would only allow such stops as are necessary to replenish wood and water. Trains for way passengers would require about one hour more, or 51 hours between the two cities.

> It is confidently believed that such a railgation, provided the railroad fare should not exceed \$1 50 to \$2 for a "through" passage.

it cannot be supposed that a railroad on the good road, that I do not consider a discussion of culverts and bridges for a double track and margin of the Hudson would carry any imon its propriety necessary. margin of the Hudson would carry any important amount of freight, when the river was not obstructed by ice. Probably one freight train per day, would be as much as could be sustained at requirement and on its propriety necessary.

On the foundation prepared as above, chestnut cross sleepers, hewed flat on two grading should be at first prepared for a douglet track. One prominent reason for this is, of seven sleepers to eighteen feet, or nearly 2 ces will be incurred by first making a single to lay an iron rail, that shall weigh seventy this part of the route, a double track will pounds to the yard. The road to be well be wanted as early as it can be laid down. Above Poughkeepsie, a single track will do Well constructed on the plan described, a large business, and the second track may at different times have been made to obtain the road would be superior to any hitherto be left out of view for the present, though a the funds required for its construction. But constructed in the United States, and would double track throughout must be looked to hitherto it has not sufficiently commanded the be well adapted to a high speed, especially on a line, having its curves and grades as fathers specimen of this new course of trade, leaves no doubt that the main export from the Mohawk valley the western and much of the northern part of this type of the section will go to Beston unless some meant of this part of this state will go to Beston unless some meant of this part of the part of this part of this part of this part of this part of the part of this part of this part of this part of this part of the part of this part of the part of this part of

state, will go to Boston, unless some new channel is provided for a winter transit. It is said that the principal export of pork, last winter, from Rensselaer, Saratoga and Albany counties, was to Boston.

The trains may easier to such a state of such as the folder from the track of such a state of state of such as the folder from the track of such as the folder from the folder from the track of such as the folder from the from the folder from

track through the Highlands, which can be extended while the road is in operation.

a heavy item in the cost of the road; but full operation under high speed. I therefore do not hesitate to recommend this weight of this will be wanted for stations and depots, rail as best adapted to the wants of the road.

The estimate for land and damages, must though it is believed to be a reasonable approximation. The inhabitants along the line have generally manifested a very friendly, and many of them an ardent interest in the enterprize. The opening of a cheap and easy winter (as well as a rapid summer) communication through this district, now very much secluded during the suspension of navigation, may well be regarded as highly im-portant to their interest. This, if it does not lead to cessions of land, may be regarded as a protection against excessive damages. The line from this city to Fishkill landing, a distance of 601 miles, occupies very little ground that is of much real value; if the ground under high water line be excluded, this section will not require over 300 acres of land; and but a small amount of buildings, or building lots, will be in the way. The line will, how-ever, cut off some small strips of ground in front of country seats, whose owners claim that they would be damaged by the road .-With the exception of a few trees, that in some cases will be cut off, it is difficult to see what serious damage will be done; while on the other hand the road will be an effectual defence against the action of the river, which now requires at many earthy points, considerable expense to maintain the banks, and will therefore in such places be more real benefit than injury. With a proper regard to the situation of the grounds, in locating the line, a well constructed railroad along these situations should not be regarded as a material injury, but an ornament and convenience.

A railroad well fenced and operated by steam power, will interfere with the retirement of these situations, little if any more than a steamboat passing down the river; the occasional passing of a train will give a lively variety to such situations, and make them more rather than less interesting to most persons, It is therefore believed very few of the owners, on full consideration of the sub-

far from \$60 per acre; ranging from \$40 to fluence on its manufacture, whether with re-\$100, for farming purposes. The line must ference to its cost or otherwise; and, while In the estimate the price of iron rails delivered in New York is taken at \$75 per ton (of 2,240 pounds.) This is not sufficient at the present market price, but some reduction may be looked for, before much will be wanted for the proposed road. In using a rail weighing 70 pounds per yard, its price makes though this will be very small for the extent 51. 10s.; in 1833, it realized 71. 2s. 6d.; but, there can be no doubt, such a rail will be the require about 800 acres of land; and with tion; the next two or three years (rememberbest economy, if not indispensable to success the section below Fishkill landing, a total of ed, doubtless, by many of our readers) cre-

be regarded in a great degree as conjectural, York, which is quite as much as it ought to rally having, however, taken place in 1839, cost; and probably it will be sufficient.

Summary of Petimate

Summary of Esti	mave.	
Grading 141.69 miles, viz.		
From 14th street to Har-		
	\$243,080	
From Harlem creek to	- 100	
Peekskill30-30	622,300	
From Peekskill to Fish-	N. Carlo	
kill	688,200	
From Fishkillto Pough-	,	
keepsie15·12	194,920	
From Poughkeepsie to		
Greenbush 68-26	856,480	
For extending wharves Est'd	,	** ***
at several places.	30,000	\$2,634,980
Fencing, estimated		110.000
Land and damages, estimated.		250,000
Superstructure.	• • • • • • • • •	200,000
For one single track, with 20 m	iles don-	
ble track, and extra for siding	me at eta-	11-7
tions, depots, etc., together equ	gs at sta-	
miles single track, at \$11,200	141 10 100	1,881,600
mines single track, at \$11,200	• • • • • • • •	1,001,000
Amount		\$4,876,580
Add ten per cent. for contingen	has soin	Ø2,010,000
Aud ten per cent. for contingen	cies and	487,658
superintendence		407,000
		5,364,348
Engines and denote etc		630,000
Engines, cars, depots, etc		650,000
Total		AE 004 020
Total		
Say		6,000,000
Length of road from Chambers		
street to intersection of 14th	0.00	
street and 11th avenue	2.20	
Do. 14th street to Greenbush1	41.69	
MODELS - Par large on the		
Total		
Say	144	

of 20th December, gives an interesting and useful, yet very concise account of the fluctuations in the iron trade of Great Britain since 1830:

New York to Poughkeepsie. It may how-ever be very well managed with a double price of farms for this section is probably not ses is considered as having a considerable inof the line. This section of the route will again, in 1835 dropped to the former quotaeleven hundred acres. A small amount of ated a demand, in some degree, artificial, and we find a corresponding advance in price. I have estimated this item at \$250,000, ex- Thus, in 1836, our highest quotation is 101. clusive of depot grounds in the city of New while in 1837 we have one as low as 61; a we again find bar-iron quoted at 91. 10s., while in less than four years it is reduced below any price already quoted, as in the months of June, July, and August, 1843, bar iron was sold at 41. per ton. In the past year no higher price than 51. 15s. was obtained; and at the commencement of the present year the price quoted was 6l. to 6l. 10s. On referring to our present quotations, it will be seen that the price has advanced to 50 per cent., the nearest figure being 9l. 15s. to 10l. per ton.

When it is considered that the make of two works, with thirty furnaces, yield, taken at the rough, 3000 tons per week, or 150,000 tons per annum, it requires little power of imagination to consider the importance to be attached to this branch of our manufactures. If we value the produce of these two works (Guest's and Crawshay's) at the price quoted in 1843, assuming the entire make to be converted into bar iron, we should find it to amount to 600,0001. per annum, while, at the present prices, it would give a return of 1,-

350,000l. The Scotch Iron Trade.-There appears to be no end of new iron works. We have just heard of several works about to be erected, but four certain, viz., one in the parish of Lesmahagow, another near Wilsontown iron works, a third at Dalmellington, and a fourth near Kilmarnock, each of which The following extract from the Mining Journal will probably commence with four blast furnaces. It may be interesting to estimate the production when the projected works are in full operation. There are in blast, at preslanded property. Observe in the London advertisements of estates to be sold by auction, the care with which the attention of capitalists is drawn to the fact that this highly 'eligible property,' although 40 miles distant, 'is within an hour of the metropolis,' by the Great Western, with a station close at hand.' The auctioneer knows well that his great capitalist would never go near the spot, if he were told 'you must travel by coach or with post horses, and the journey will occupy you half a day.' The landed aristocracy will not cease, for some time longer, to plunder railway companies under the pretence of tal produce of 2,000,000 tons of pig iron anent, ninety-one furnaces, and it is expected damage, for what is only valuable at most as a matter of taste, to put themselves in the way of an important enterprize, which the great mass of their fellow citizens regard as highly useful, and indeed necessary to their welfare.

After leaving Fishkill landing, the line

Extract from Westminster Review, Dec., 1845:

Art. 7; railway investment.—"So also it is with

#### PRINCIPAL CONTENTS.

	n river, or New York and Albany railroad
	rt
Fluct	ations of the iron trade
Mem	rial to the legislature
New	ork and Harlem railroad report1
	ylvania legislature1
Navi	ation at Pittsburg
	ia wisdom1
	ad accident1
	g railroad iron1
	l Vt. railroad
	cts of Berkshire
	York and Boston [direct] railroad1

#### AMERICAN RAILROAD JOURNAL.

PUBLISHED BY D. K. MINOR, 23 Chambers street, N.Y.

Saturday, February 14, 1846.

#### Anthracite Furnaces in Pennsylvania.

We republish the list of anthracite furnaces in men who may receive it to furnish us with a statement in relation to each furnace, forge and rolling mill within their knowledge. We desire to obtain a list of each iron manufactory in the country.

The following list of furnaces in Pennsylvania. using anthracite coal, has been furnished us for publication by an intelligent dealer in iron. The object is to show what is doing in the manufacture of iron now in this country, and what we have to rely upon for our supplies during the next three or four years; we shall be under still greater obligation to him for a similar one of the charcoal furnaces and the rolling mills in the state, as we desire to show those interested in the construction of new railroads, that we shall soon be able to meet the demand for iron for all our own purposes, especially for railroads.

Names of Furnaces	Proprietors.	Ft. bos- hes.	Yl per wk
Lackawanna	. Scranton & co	10	3
2 Fishing creek	Iron Dale company	14	15
	* S. R. Wood	9	3
1 Danville	* Groves	9	3
1 "	* Montour iron comp'y	71	3
2 "	* 4 .4	12	13
1 "	* "	15	8
	Samuel R. Wood	14	7
	Bryant & Wood	10	4
1 Harrisburg	* David R. Forter	11	5
1 Mount Joy	* W. Stewart & co	8	3
3 Columbia	* Proprietors unknown.	8	3
1 York	* " " "	10	4
	† Burd Patterson	14	7
	* G. G. Palmer	9.2	3
	* Pomroy & Harbeson.		3
1 Reading	* Eckert & Broth	14	7
	* Reeves, Buck & co	9	3
2 "		13	13
1 Conshehocken	* S. Colwell & co	10	4
1 Spring Mills	* Kunzi & Farr	10	4
1 mile below S.M.	* Livingston & Lyman	13	6
1 South Easton	* Goodell & co	9	3
1 " "	• "	11	5
1 Glendoni 1 m. ab	* C. Jackson, Jr	10	6
1 "		12	7
1 Cranesville	. Lehigh Crane iron co.	14	8
1 "	• "	12	6
1 "	11) "	18	10

• In blast. + Nearly completed. : Preparing to blow in. || Now erecting.

#### The Southern and Western Literary Messenger and Review.

Number 1, volume XII, for 1846. B. B. Minor editor, Richmond, Va.

This excellent periodical, the first appearance of which we well recollect in 1834, or 5, has now en-

Correspondents will oblige us by sending in their tered upon its twelfth year. The number for Janu-mmunications by Tuesday morning at latest.

Hudson River or N. York and Albany R. R.

In our last number but one, we referred to the reary, which was delayed by the absence of the editor. reached us late in the month, and we have only had an port of Mr. J. B. Jervis, in relation to the river route opportunity to glance at its contents; but from the hasty examination that we have been able to give it we o are led to believe that it fully sustains its early reputation, and entitled to a position among the periodicals of the day, second to none, and superior to most, of them. Its prominent and valuable features are that ny, to the secretary of state, accompanied by the reit addresses itself more directly to the reason and port of the chief engineer, Mr. Allan Campbell, in judgment than to the passions, whims and caprices of the reader; and it may therefore be with safety and propriety placed in the hands of the young, as well as of those of mature age, as no one can read it without deriving useful lessons from its pages; we hope, therefore, that it has acquired an extensive circulation, and that its editor has derived ample recurns for his labors. It should certainly receive a liberal support from the south and west, whose able advocate it is, without being sectional.

Its motto is not altogether to our liking, though we go the whole for the first part of it, viz. " In the u-Pennsylvania, for the purpose of requesting gentle- nion and for the union;" but the remainder, " In the south and for the south and west," might, we think, be not, however, suggest any at present, as we might not improve it. We give the prospectus in this number, and shall be glad to receive and forward subscripwork: or they can enclose the amount direct to the editor.

> It is published monthly, 64 large octavo pages, on beautiful paper, at five dollars a year in advance.

The Southern and Western Literary Messenger and Review.—Having purchased, from the proprietors, Simms "Southern and Western Monthly Magazine and Review," it will, from this time be blended with

The Southern Literary Messenger."
The Messenger has been established more than eleven years-much longer than any other southern work ever existed—during which it has maintained the highest rank among American periodicals. It has always been eminently southern; and for several years has been addressing itself to the west, both editorially, and by its ablest contributors. It will continue to address itself to the south and west. To indicate this, and its union with Simms' Magazine, the titles of the separate works will be blended in The Southern and Western Literary Messenger and Review;" retaining the features of each, but improving them as far as practicable. While it will be distinctively the advocate of the south and west, its motto will be, "In the union and for the union! In the south, and for the south and west!"

It will be published simultaneously in Charleston and in Richmond. 'The subscribers to Simms' Mawestern literature, and the public generally, are invited to inlist in its behalf.

The aid of Mr. Simms has been secured, not only as a contributor, but in the critical and editorial department; and other southern and western contributors will be added to those already engaged for the Messenger. Communications for the "Messenger." Messenger. Communications for the "Messenger and Review" may be sent to the office in Richmond.

tories, biography, papers on the army, navy, and other national affairs, and discussions of all questions affecting the rights, interests and institutions of the south and west.

The subscription price will be \$5, but the work will contain very nearly twice as much matter as Simms' Magazine, and be published in an elegant style, like the present Messenger.

Those indebted to the Magazine, will please make immediate payment. \$7 50 will be taken in full for subscription due to Simms' Magazine, and for the "Messenger and Review," for 1846.

B. B. Minon, Editor and Proprietor.

Richmond, Va., January, 1846.

In our last number but one, we referred to the refor a railroad to Albany. We then promised to give the report, and we now proceed to redeem that promise, at least in part.

We have also now before us the recent annual report of the New York and Harlem railroad comparelation to that work beyond White Plains; from which we learn that they are progressing very fairly -more than one-half of the excavation between White Plains and the north line of the county, 25-82 miles, is already done, and the balance of the grading is to be done by the 1st of May; they have also located, and got nearly ready for contract, 28 miles further to Dover, in Dutchess co., which is 541 from White Plains, and 82 from New York; and their engineers are still in the field-thus showing that they intend, at all events, to make a railroad to, or to connect with some other road near, Albany; let others do what they may.

These reports bring to mind what has passed in improved somewhat by slight modifications. We will former years; and we have referred back to the report of Mr. J. D. Allen, published in the Railroad Journal in January, 1837, and to Mr. E. F. Johnm's report, published also in the Railroad Journal, tions for any of our readers who desire to obtain the in January, 1839. From a reference to these reports we find that though not precisely, yet they mainly follow the same route, viz: the valleys of the Bronx, Davis' brook, Sawmill river, and the Croton, which may be considered the most favorable for an interior line; its grades being within what are considered favorable for locomotive power and high speed.

From the remarks of gentlemen, interested in the river route, at the meeting for the receipt of Mr. Jervis' report, we are led to presume that that road is to be constructed, and that, too, without delay, and in the very best manner, so as to insure the highest rates of speed, [35 miles an hour,] and the lowest rates of fare, [\$1 50, through, or about one cent a mile,] that have been adopted in this country-if they obtain a charter. We are also assured by those who now have the management of the interior line, and who are giving substantial evidence of their determination to carry their road through to Albanyor, at least, to a connection with the Albany and West Stockbridge road-thus opening a railroad communication between this city and Albany, though not such an one as is proposed by those who advocate the river route; nor, indeed, such an one as we gazine especially, and the friends of southern and should and must have between the two capitals of the state, to compete successfully with the Hudson river on the one hand, and the Albany and Boston, and the Housatonic railroad on the other.

There is no other route in the country where the success of the enterprize depends so entirely upon the superior character of the structure, as between Each number of the "Messenger and Review" New York and Albany, because there is no other line will conrain 64 super-royal octavo pages, filled with the choicest matter, of great variety—embracing novels, tales, poems, travels, critiques, reviews, historical poems, critiques, reviews, and critiques, revi New York and Albany, because there is no other line great and so constantly increasing. The railroad, therefore, must rely mainly for most of its passenger traffic, both through and way, upon its ability for high speed and low fares. It is idle to think that a railroad will secure the travel, unless it has greatly the advantage in speed. Neither twenty, nor twentyfive miles an hour will answer. Nothing short of thirty, or thirty-five and even fifty miles will be sometimes required; and the company that intends to secure the travel, and to do a fair freighting business, must construct their road in the very best manner: and therefore it is that we place these two reports before the readers of the Journal side

the people of this city, who have a deep interest in their's, for it to roll down to us.

proper construction of this line of road, and not York and Albany. It must be entirely rebuilt. Nor There is only one principle, that we know of, upthe year, and especially in winter, the surplus produce, what it should be, yet we believe the engineer will at the present time, the amount of capital necessary the snall notions, and the bulky articles of agriculture make the most of the means placed at his disposal; for this enterprize; and that is, that a man in busimanufactures and mines, to the greatest possible ex- but it has been abundantly proved that a first rate ness can lay by the second thousand, easier than the tent. Vegetables, milk, eggs, meat of all kinds, poul- railroad is not often built for even \$25,000 per mile. first five hundred dollars—therefore, as a few of the try and flour should be coming into this city every We deem the present an important period in the citizens have recently subscribed three millions to the

tion naturally arises how shall it be constructed, and if even that will, now that the people on that nature has done much for this city; more, perhaps,

and bring them to the notice of, a large number of will have it too-unless we open a way as good as they will find few precedents laiddown "in the books"

meat at his own expense, has an interest in the Plains is not suitable for the business between New they can-do. only of its construction but its proper location, as is that section now under contract, and that prepared on which there is any reason to anticipate, or even well, that it may draw to this city, at all seasons of for contract—though much superior to that in use— to hope, that the citizens of New York will furnish,

week, and neek day of the year, not only from the history of American railroads; and doubly impor- New York and Erie, they will now subscribe counties along the line, between here and Albany, tant to this city, where so little, comparatively, has five or six millions of dollars to the New York and from the west, even to Buffalo and beyond, but been done. We are therefore the more desirous that and Albany. We are inclined to believe, how also from the entire valley of western Vermont, one every step now taken should be in the right direction, ever, that the gentlemen, who did the city such of the most productive regions in all New England and in the most thorough manner. We should be signal service, by obtaining that subscription, through which there will be a good railroad from well pleased to feel assured that the system is to be will not attempt to wrest the laurels from the brow Canada line, via Burlington, Rutland and Benning- relieved from at least a part of the odium heaped of others who may desire the honor of secur ton to Pittsfield, Massachusetts, there to connect upon it by New York railroad mismanagement; and ing a subscription, in this city, of even five milwith the Boston and Albany road, and from whence therefore it is that we say to the gentlemen who con-lions of dollars, for any enterprize now projected .we may, if we will, take a large share-but to do so trol the New York and Harlem railroad company- They must have learned to their entire satisfaction, we must be awake, and open a direct road, of a su-consider well what you do, if you intend to make that there is no task so thankless as that of an effort perior character, or it will go to Boston, for their your road the route for business between New York to induce a man, or a people, to appreciate the imbenefit as they deserve, and we shall lose it as we and Albany—the north and west—as nothing short portance of availing themselves of the aid of art, richly deserve, if we do not adopt all proper measures of a road of the very best character will command and science, when they have come to the conclusion the confidence of the community, and the business that "nature" has done so much for them, that it is Now that the people of this city begin to be aroused of the country; and nothing short of a road of this quite unnecessary for them to do anything for themto the importance of a road northwardly, the ques- character will prevent a rival line along the river- selves-except to collect rents or sell goods. True, where shall it be located, that it may accomplish the line have become aroused to the importance of pre- than for any other city in the union, except one; yet equal, we should strenuously urge the interior route country which has made the river villages prosper- may she rest from her labors, -because, 1st, it would develope new and impor- ous and wealthy; and they will not, and should not, tant resources-afford facilities to those who are now willingly yield it up to a rival-as a first rate railin a measure isolated, and open a new avenue for road through the eastern part of the counties will be memorial to the legislature should be signed by every the people of this city to enjoy country air, country -hence it is that they have recently employed an citizen of New York, who manufactures any article, residences and country pleasures; and at the same eminent engineer to re-survey, and verify a previous sells goods, or eats bread; as well as by every inhatime enable us to intercept-by a branch from the examination of the route, for a railroad, along the ri-bitant along the line of, and beyond the railroads main line, somewhere in Columbia county, or, in-ver, and to make an estimate for precisely such a from Albany westward to lake Erie; or who raises prodeed, by a road already built to the Massachusetts road as should, and must, be built to compete success-duce of any kind, or a dozen chickens for market. line—the rich products of western Vermont, and fully with the Hudson river, and the Western and Every person in the state, who used salt in his poron a road soon to be constructed, on their way to have evinced true wisdom-exceedingly good judg-sold at auction, from 1817, until within a few years, ton over the Western road, from the interior of this tion of road that will answer the purpose, and make now, for years past, every one who has travelled on state, and from the west. Such would be some of the the best returns to the stockholders when built. We the railroads, from Albany westward, has been taxed, results of a railroad properly constructed through admire the sagacity and enterprize of the people by the prohibition from carrying freight on the railsay to Albany, because the line between New York rit all the advantages which they possess in so emi-tain the canals. To the first, the taxing of our salt, and Albany must be independent of all other, or rival nent a degree, in the Hudson river-unsurpassed by we all submitted with a good grace; and are quite management—with a branch to the Western rail- any other of equal extent in the world—and as many content: but is it right—now that the canals have road where it crosses the Massachusetts line. But, additional ones as they can command. We very been completed by a tax upon the whole people, and to enjoy all the advantages within our reach, by much doubt, however, if they can, at present, com- will, if properly managed, keep themselves in resuch a medium of communication, our capitalists mand the capital necessary to construct such a road pair, and refund their cost—we say, is it right that and business men should become interested in, and as they have proposed to build. Can the people of the tax should be continued, or that we should be contribute largely to the construction of the western the river towns furnish it? or do they anticipate the prohibited from sending or receiving freight by the Vermont road from Rutland to Bennington and the larger portion of it from this city? If the river towns railroads, between Albany and Buffalo, without pay-

by side, and shall endeavor also to lay them before, Boston, who are now moving for that trade, and upon the capitalists and property holders of this city, to justify the anticipation!! We are aware that the matter-much deeper, indeed, than they seem to This, then, is our choice of routes, other things be- there are quite a large number of retired merchants, apprehend—that they might better judge of the me- ing equal—but they are not equal. The grades on and men of wealth, residing along the fashionable rits and probable success of the two lines-or of either; the interior line are nearly twice as great as the bank of the Hudson, but not enough, we apprehend, but as they do not deem it important, we certainly grades are reported to be on the river line-yet with who duly appreciate the importance of a railroad to a properly constructed road, they may be overcome Albany, to fill up the gap remaining in the six mil-Not only every property holder, and business with ease, even at high velocities. Then, again that lions required, after the river villages, and our patriman, but also every person who eats bread and portion of the road between Harlem and White otic citizens shall have done all they will-not all

greatest good to the greatest number of people.

The first question is answered satisfactorily in Mr.

Jervis' report. It must be constructed in the very best manner, and it will cost from thirty to thirty-five thousand dollars per mile; but the second question is not so easily disposed of. There are many things to be considered; rival routes and local interests are local will only and take the field, and the construction of a road through the interior availing herself of what art and science can do, she will eventually find herself equaled, if not distanced, in the race, the contest, for the business of the mighty west. Boston has already crossed the Allegheny therefore, must New York girl on her armor, supply the munitions of war, and take the field, and is not so easily disposed of. There are many things ing east of the road, which now goes, and would to be considered: rival routes and local interests are to be considered and reconciled. Other things being to be considered and reconciled. Other things being on the river. It is indeed the business from the back as "nature" has done for her—then, and only then,

Memorial to the Legislature.

Canal Tolls on Railroad Freights .- The following

northern New York, as they come down to Pittsfield Housatonic railroads. They and their engineer ridge, or on his potatoes; or a pocket handkerchief Boston; as well as a part of what now goes to Bos- ment-in making their estimates for the only descrip- was taxed to aid in constructing the canals; and the interior of the river counties, to Albany. We in the villages along the Hudson. They richly me roads—thus causing them to charge high fares—to sus-Massachusetts line, that they may have a voice in could command it-could spare it from their own ing double tolls, that it may all be driven upon the its management, as well as the business men of business-it might be furnished; but if they rely canals, however inconvenient and injurious it may

receive though ed to ca crease o lempora in cons superio railroad out refe articles of time and ve own bu railroad quently is not b are uni The canals : fit and this sta with a and the modatio pay to railroa their o mutual them. those ro of acco for the stockho the pec merchan transpo ticles, mode o

be to the

view it

himself price fo able, w go to m may ta upon th one prie Thus v along t compar to send

interest

great in from u ble to h

travel, rates of part of are, ho in turn of requ for a re compa

panies

freight, allowe govern Let e and, in tative,

equal,

be to the producer, as well as the consumer? In our though the rates are often reduced: and they will Albany. continue to increase, even if the railroads are allowed to carry freight; as the natural and regular increase of business will, in a year or two, supply any temporary deficiency on the canal which may occur in consequence of the competition created by the superior accommodations, in many respects of the railroads. Allow the railroads to carry freight, without reference to the canals, and in a little time many articles will find their way to market which are not now sent from that region, on account of the length of time required to reach there. It is a common and very true remark that, "railroads create their own business"-but it is of course not true, where railroads are not allowed to carry freight; consequently the country through which these roads pass are unrestricted.

The great object in view in the construction of and they are managed by the state, for the accom- act of incorporation. modation of the people; and those who use them their own capital-and they are managed for the mutual benefit of those who build and those who use stockholders. It does not matter, therefore, whether merchant pays to the state, or the company for the ticles, or his goods, if he be allowd to choose that mode of transportation which suits his purpose, his interest or his convenience; but it is a matter of very from using that mode of transportation most suitable to his business; or even if he is permitted to avail himself of the most suitable mode, by paying double price for it; as in the former case he may not be able, with some articles and at certain periods, to go to market at all; and in the latter case, though he may take his articles to market, it may be at a loss upon them, because others, who have had to pay but one price for freight can afford to undersell him,-Thus we see that the restrictions upon the railroads along the canals operate upon the people, the business of the country, more injuriously than upon the companies—as it not only affects those who desire to send freight, but also every traveller, as the companies are compelled to derive all their income from travel, and of course are obliged to charge higher rates of fare than if they were allowed to derive a part of their income from freight. The companies are, however, injured by this system, as the people in turn censure them for charging high rates, instead of requiring their members of the legislature to go for a repeal of the restrictions, and thus enable the companies to reduce their rates both of fare and freight, which we believe they would do if they were allowed to be governed by the same principles which govern other companies

equal, and therefore unjust tax.

Memorials to the legislature should be presented to Clearly those who have grain, pork and man-

of New York, in Senate and Assembly convened:

tants of the county of freight the whole year, without requiring restrained its power of usefulness? any tolls thereon to the state, and they ask

furnished to three of the companies.

We suppose that it is not the policy of the this state were undertaken and built by the state, ting of a charter, or for the exercise of the with a tax upon, and with the credit of the people; proper business of the association under its

been tolerated, has long since gone by.

Individuals have undoubtedly the same them. It has become a well established fact that right to engage in the business of construcfor the lowest rates, pay the best dividends to the ries, mills, or to buy and improve farms.the people—the farmer, the manufacturer and the a convenient form of holding the property so road is rather tantalizing than consolotary. as to give them perpetuity. And even a ry if our laws had not restricted the right of distinguish the legislature of a great state.holding property in trust.

persons who make the railroad.

question.

view it is both unjust and ungenerous. The amount the citizens of New York for their signatures, and ufactured articles, etc., which they wish to received for canal tolls is constantly increasing, should be numerously signed, and speedily sent to send to market but which they cannot by Albany.

To the Honorable the Legislature of the State acted under as to this line of railway.

We beg leave to ask whether it is not a singular course, to authorize the construction of The memorial of the subscribers, inhabi- a great public improvement, and then to rerespect- strict its use? Can there, with the expefully showeth, that they ask the passage of a rience of this day, be anything more paralaw which shall give to the central line of railroad companies between Buffalo and the people have encouraged the making of a rail-Hudson river the privilege of transporting road, and at the same time have curbed and

The New York and Erie railroad compaleave to present the following reasons therefor: ny have been most amply furnished with all This line of railway has been constructed the powers which it is possible for the legisentirely by private capital except that the cre- lature to confer, and yet no toll is required is not benefitted as in other states, where railroads dit of the state to a limited extent has been upon their freight. It will, to some extent, compete with this line for the same business, Other railroads have been authorized, upon canals and railroads is unquestionably for the bene-state to require anything that may be consid-which there is no prohibition as to the power fit and convenience of the people. The canals in ered as a bonus or compensation, for the gran- of carrying property, nor are tolls reserved. Why should there be a distinction against this line? Have the legislature the right to thus monopolize the business of transporta-The day when such a practice, alike, in tion, by the imposition of such tolls on the pay to the state for the privilege of using them; but consistent with the honor of the state, and the railroad as either to prevent the growth and railroads are built by companies of individuals, with proper business of legislation, would have production of property by cutting it off from market, or by forcing it on to the canal?-May it not be questioned whether it is not such an interferance in the right of property, those roads which afford the best and greatest amount ting a railroad that they have to build and and in the benefits which we are entitled to for the lowest rates, pay the best dividends to the ries, mills, or to buy and improve farms.— They derive little from the legislature, except we are brought so near to market by the rail-

We submit that this is not consistent with transportation of his produce, his manufactured ar- charter in this respect might not be necessa- the enlarged and liberal spirit that should These tolls are practically a tax upon the We do not therefore, consider that the toll farms, etc., along the line of the railway great importance to him, if he is prohibited entirely required for the transportation of property through the central and western part of the upon the railroad can be justified, because of state, for they add to the price of the transanything granted by the legislature to the portation of the productions of these farms to market, and thus lessen the vallue of the pro-It is unusual, we think, to require such perty to the owner. The policy is in this retolls. The states of New Jersey and Mary-spect even more unfair than it would be to land have reserved a portion of the amount tax the transportation of property upon the received for the transportation of passengers Hudson river, because that would be more upon the railroads across them, but the pubgeneral, and because it has not required the lic judgement is so clearly against this policy expenditure of money and the great exertion that the latter state has already felt the force that was required to make this line of railof it and is in some measure yielding the road. Will it be said that it is necessary to protect the canal revenues? We would ask, protect Tolls are not imposed upon any railroad them for whom, and against whom? If othin this state except upon that part of this line er means of transportation are better, cheaper, which is west of Schenectady, and here there or more available than the canal, shall we is a practical prohibition to carry freight ex- not use them? Should not the owners of cept in the winter. This is the most difficult property be as free to send it to market by season of the year in which to operate the any avenue that they please as they are to railroad. It is far more expensive than any enter into any business or production? Why other part of the year. It is not reasonable should property be any more taxed which is to suppose that the several railroad companies can provide the ample means to transsleighs? The cost of the transportation of port property that may be required when the an article to market forms a portion of its vause of such means is prohibited except in the lue at the place of sale. Why should the winter. Hence when the winter arrives, and means of transportation be any more taxed Let every merchant, then-every business man, it is found that there is a good market for the than the means of production? We respectand, indeed, every citizen, say to his own represen- productions of the country, then the means fully insist that the canal can be supported tative, and to the legislature, relieve us from this un- of the companies are not equal to the exigen- without limiting or crippling western procy of the demand. Who then suffers ?- duction, that it is not necessary to tax us for

the property which we wish to send by railroad

paid by the property transported. The companies will not, and ought not, to pay them. Plains. About 8 miles is a double track of There is no analogy between the railroad and the canal. Individual capital and exertises the satisfactory of New York to White and final location of the road. Although the country embraced in our extends the canal. Individual capital and exertises the satisfactory of New York to White and final location of the road. Although the country embraced in our extends the canal. Individual capital and exertises the capital and the canal is laid with heavy H rail, from 32d reference to a railroad communication between the railroad communication between the railroad capital and exertises the capital and the canal capital and exertises the capital and the canal capital ca tion has made, supports, and operates the rail-road, and it is liberally taxed for all purposes. On the other hand, the credit of the whole people has made, supports, and keeps the ca-nals in repair, and the capital or cost invested in the canal pays no tax. While greatly ready graded, and the residue is to be com-fact that engineers of ability had held adbenefitting the country through which it pas-pleted by the first day of May next; and verse opinions, seemed to require from him ses, it brings with it an immense expense in surveys are completed, ready to commence on whom would rest the responsibility of the many particulars. The great business of work at the opening of the spring for the fur-selection, the strictest scrutiny and care.transportation will continue upon the canal, ther extension of the road to Dover, in the Some other lines hitherto totally untried bebut there are many kinds of property, and county of Dutchess, as will appear by the ing also strongly advocated by intelligent reperiods frequently occur, where it is better to engineer's report to be submitted herewith. transport upon the railroad.

A release from tolls upon the railroad would reduce the charges in a corresponding amount, for the current year the sum of \$500,000, are and would thus exclusively benefit us, or ra not included in this report, but will be reportion through Westchester county with the ther free us from an unfair and unequal ex-ted in May next to the comptroller, pursuant view of putting this important division of the

We submit that this local and limited taxation upon us is unfair in another respect.-The railroad offers the best possible facilities for the transportation of some kinds of property, such as live stock, poultry, and pork in t the hog, which, in the first of the winter, usually bears a good price at Albany, New York and Boston. If we can then get it to market, we save the expense of packing, etc., of interest; and most of all, we get it to market before the pork which is so cheaply produced in the western states, can arrive and reduce the price, as almost uniformly ensues.

This is a question of local and specific taxation upon the farming country along the line, of this railroad, and having felt the burthen of these tolls, we claim the right to earnestly ask to be exempted from them.

Whatever is paid for tolls upon property going to market is taken directly from the producer, for it so far lessens the price he re-

ceives for his property.

We are assured that a reduction of the price of transportation on the railroad fully corresponding with the amount of tolls will immediately ensue upon these tolls being waved by the state.

We therefore respectfully urge that this is not a question of benefitting the railroad corperations except only as they benefit us.— We can perceive that if unrestricted in the use of the railroad, a successful business shall be done in the carrying of property, that it will here, as in New England, the better enable companies to reduce the general charges for the fare of passengers.

With much confidence that the more this is examined the more clear will be the propriety of the request, we submit this matter to the wisdom and justice of the legislature.

Dated January, 1846.

New York and Harlem Railroad Report. Hon. N. S. Benton, secretary of state,

street to White Plains.

structing 25 82 miles of road from White volving on the engineer department, in deci-Plains to the southerly line of the county of ding the important question of the proper Putnam, a large proportion of which is all route to be selected. On the contrary the

White Plains, which are estimated to exceed the surveys. to the act of the 13th May, 1845.

South side of Harlem river bridge to Williams'

ridge, 6 miles, \$38,475 per mile.

Williams' bridge to White Plains, 13 miles, \$11, 277 per mile.

For a portion of the road graded under a former contract, and not used for the present line of the road, 

..1,213,456 00

Number of passengers through 63,340

Do. way passengers, no acct. kept, but estimated at .....1,350,000

Receipts for through passengers ......31,670 00

" way " .135,884 57
Total income from passengers .167,554 57
" freight ... 9,882 78 Dividends, none. Number of engines..... 

baggage cars.....machine shops....

Engineer's Report.

To the executive committee,

of the assembly, passed Feb. 2d, 1843, the New York and Harlem railroad company makes the following report:

On the 20th of September, contracts were location of the road through Westchester, closed for the grading, masonry and bridging Putnam and a part of Dutchess counties. I of 26 miles, on terms most advantageous to

The entire length of the New York and therefore deem it necessary at this time mercad. Harlem railroad, completed and in operation, ly to recapitulate some of the statements of We say tax us, because these tolls must be is about 27 miles, extending from the city former reports so far as regards the survey

> tween New York and Albany, this circum-In addition to which the company is con-stance did not lessen the amount of duty desidents of the country, a wide field was open-The expense of this extension beyond ed on this question at the commencement of

Our attention was first devoted to the locaroad under contract at the earliest possible Number of miles of road in operation, about 27 day, the opening of this portion in advance Cost of construction of road from the city hall to of that through the more northern counties outh side of Harlem river bridge, 8 miles, \$104,375 being justly deemed a matter of great imporbeing justly deemed a matter of great importance, as the depot at the northern line of the county is accessible by good roads for a wide and extensive district of country. The distance from White Plains to the north line of the county is 25.82 miles. This extent of country was thoroughly explored and surveyed on the various lines, and a route selected by the first of September, when it was adver-

81,958 16 tised for contract. The principal obstacle to be overcome is a ridge of high broken ground running from east to west about 8 or 10 miles above White Plains. In this ridge, the Saw Mill, Bronx and other streams which discharge their waters southerly into the Hudson river and Long Island sound take their rise, as well as train cars...... 20 various small streams which fall down its northern slope into the Croton. Here occurs the first main summit between New York 

The route on departing from White Plains pursues the valley of the Bronx for three Gentlemen :- I have the honor to submit, miles, when it passes to the valley of the through your committee, to the board of Saw Mill by Davis' brook and Fly brook, directors, a brief statement of our operations tributaries of these two streams. The Saw in furtherance of the extension of the Harlem Mill is then followed to its head waters, railroad above White Plains, and of the con-where the ridge before alluded to is passed, dition of the work at the close of the year with a cutting of only 9 feet. The line now descends by the Kisco (a branch of the Cro-The charter, authorizing the extension of ton) and Muddy brook to Cross river; thence this railroad to Albany was obtained on the over broken ground between this stream and 14th of May last; the engineer department the Croton to the valley of the latter, which organized on the 1st of June, and surveys is occupied through the remainder of Westcommenced on the 10th of that month.— chester, Putnam and a part of Dutchess coun-Since that time various reports in detail, exhibiting the results obtained by our examin- that a very direct line has been obtained at on. N. S. Benton, secretary of state, ations of the country, have been submitted, an expense which must be regarded as quite Sir:—In compliance with the resolution on which has been predicated the decision of moderate.

New A large the v will and ' gatio T will ed.

the co

and a

ber ar comm

time, tion. of the next,

enter

law .

prosp

take

laid throu

Th

ted m

of br

any c

struct

one o

over

sion (

Gradi

Super Right

Cost e

der e

coun

conti

the p

locati

count

line (

Whi

H

Th

five : is co form the a favor T of th mile Grad

Supe

T char gard radi ly th

ging exce tion and able men. During the months of Octo-ber and November the work was generally examinations through Putnam county, it was commenced by the contractors and at this found that by resorting to an inclination of 35 effected. time, ground has been broken on every section. The contracts require the completion be made and the line shortened 2 1-3 miles tigations in regard to this question as will enorgh, and except in a few cases where detendent in a distance of 14. The short line was active the made and adopted. There fore the board. I am clearly of the opinion take place in the construction of masonry but generally the inclination will not exceed profits of the road. Surveys have be through the winter months.

Tr. of ey

rith beım-

de-

ecithe

ad-

nim the

he-

re-

en-

t of

oca-

the

the

ible

nce

ties

por-

the

vide

e of

t of vey-

cted

ver-

is a

rom

hite

onx

wa-

and

llas

n its curs

ork

bove

this

not

ains hree

the

ook,

Saw ters.

ssed.

now

Cro-

ence

and

hich

Vest-

oun. such ed at

quite were ging

The favorable character of the route selected may be inferred from the small amount of bridging required; only four structures of any considerable magnitude being requisite within the 26 miles now in course of construction. One of 60 feet over the Bronxone of 80 feet over the Titicus, one of 120 feet over Cross river and one of 160 feet over the Croton at the county line.

The following is an estimate of this division of the road:

Grading and masonry			\$175,000
Superstructure, at \$10,000	per mile		270,000
Right of way and fencing	*******	• • • • •	60,000

Cost exclusive of depot buildings ..... \$505,000

Having definitely located and placed under contract the road through Westchester county our attention was next directed to a

the whole of the work exclusive of iron. It will probably be closed within a few days, and work commenced forthwith. The obligation is to complete it by the 1st April, 1847.

The map and profile herewith presented will exhibit the nature of the country traversed. It will be seen that after passing the first the alignment and gradients are exceedingly

Grading, masonry and bridging		300,000
Superstructure, [including turn-outs,	etc.]	300,000
Land and fencing	• • • • • • •	45,000

the company, and generally with experienced mit and the road through Westchester county low; but it is contended by the friends of the

	Gradients.	Miles.
	Level	13.384
	Level to ten feet	10.360
6	10 to 20 feet	5.834
t	Level to ten feet	19.489
9	35 feet	5.720
		54.787
	Alignment.	Miles.
,	Alignment. Straight line	36.218
t	Curve radius 1,910 feet	4.726
	" " 2,000 " to 5,000	6.651
	" " 5.000 " to 12.000	
•	5,000 10 12,000	1.134
		54:787

Lenth of curved line ......miles, 18:569

or 34 per cent. of the whole; but nearly onehalf of this has radii exceeding 5,000 feet and practically is almost equivalent to a straight line.

continuation of the route northerly. I have interesting question arises in regard to the the pleasure to state that a complete and final route to be pursued for the remaining distance. location has been made through Putnam Two parties are now, and for sometime past county and into Dutchess as far as the north have been in the field, making experimental line of the town of Dover, 54.79 miles from surveys with a view to the elucidation of this White Plains, and 82 miles from the city of matter, but as yet I am unable to present any accurate data on which to base a decision. A contract is about being entered with a The examinations already made have convinlarge and able company of contractors for ced me that there are only two passes for a railroad through the Highland ridge, viz: at Hillsdale in Columbia county, or by the over which passenger trains may be transported at light speed.

The present liabilities of the company, on have been made, and we know that in that direction a favorable route may be obtained. After leaving the town of Dover it will pass through or near Ameniaville into the valley five miles of Putnam county, where the line is confined to the rough and broken ground forming the western slope of the Croton, that here western slope of the Croton, that here we were and Kline Kill to Kinderhook Ancram creek and Kline Kill to Kinderhook creek, near which a junction may be made with the Albany and West Stockbridge rail- 26 miles now under contract is 665,000 cu-The following is an approximate estimate with the Albany and West Stockbridge railof this division of the road. Length, 28.96 road, or an independent line may be carried bic yards. Of this, 255,341 cubic yards were through to Albany.

the other six miles above Dover plains, and finished. passing through Pine plains pursues the val-\$645,000 miles from the city of Hudson, whence north-small culverts have been built; but the bulk The following statement will show the erly it would be located near the margin of of the masonry must remain until the spring, character of the line as far as located, in regard to curves and gradients. The minimum
yet been made, except through Deep
radius of curvature is 1900 feet, while nearHollow, where some levels, to ascertain the
has been from 500 to 600 men: this will be ly three-fourths of the curves have radii ran height of the summit, have been taken, and considerably augmented on the opening of

tion has arisen by reason of our inability to may possibly be one or two more points in that if a line equal to the other can be had enter upon lands, requiring the process of the northern part of Dutchess and Columbia upon this route, it ought to be adopted, belaw for their procurement, there is every counties, where the application of this gradicause it will pass through a richer and more prospect of the fulfilment of this obligation. ent will be required to straighten the line, populous district—afford to the public a great-Some short delay beyond that time may also shorten the distance and decrease the cost; er degree of accommodation and increase the

Surveys have been made to ascertain the practicability of a junction with the Albany and West Stockbridge railroad. This road for a distance of more than 20 miles from Albany, pursues a southerly course before taking its easterly direction. For 17 miles its highest gradient is 35 feet per mile. A junction at this point will give the most direction at this point will give the most direction at this point. rect line, while it will have the advantage of preserving a maximum gradient throughout of 35 feet.

The Albany and West Stockbridge road is well built, and graded for a double track, though only one line of rails is laid. Should it be decided to effect a junction with this road, and a satisfactory arrangement be made between the two companies, an additional track may be laid down in a short time, on a road already well consolidated.

The plan of the road now in process of construction through Westchester county, is as follows: To be graded for a single track with 25 feet width, in excavations, and 16 feet at top of embankments. The superstructure is to be laid on a foundation of gravel, and to consist of longitudinal sills, with cross sleepers six inches thick, and having bearing surfaces of six inches laid 2 1-2 feet apart from centre to centre, to be surmounted by an iron rail weighing 60 lbs. per yard. This will insure a substantial and permanent track

The present liabilities of the company, on account of the extension, are as follows:
account of the extension, are as follows:

\$175,000
Timber for superstructure:
\$9,000
2500 tons iron rails ordered, estimated to
cost, delivered in New York:

\$220,000
Bight of way and foncing
\$8,000 Right of way and fencing ..... 58,000

\$482,000

completed on the first of January; and at The route by Deep Hollow diverges from this date more than one-half of the grading is

The masonry of the Bronx bridge is also ley of Claverack creek to a point about three ready for the superstructure, and several

ging from 2,000 to 12,000 feet.

The gradients except in one instance, do exceed 30 feet per mile. It was my intension originally, not to have exceeded this ligrading for a few miles through Deep Hol-

pany that the right of way through Westchester county has all been obtained, so that we are now able to prosecute the work withpassed through, but 11 cases were submitted to a jury—the remaining number having been amicably settled between the land-holders and commissioner of the road, to which officer the company is indebted for a result in every way so desirable.

We have now passed through a country

which, from its proximity to the city of New York and the Hudson river, has rendered this item of right of way a very expensive one. We have reached a point where the road is welcomed as a blessing; and through the remaining distance liberal concessions may be anticipated from the inhabitants.

In the absence, as yet, of accurate informa tion on which to predicate an estimate of the order. whole road, I would state that the cost of the road, as far as located, including right of way and fencing, will be \$21,000 per mile; and daily. making allowance for the more expensive character of the line on the upper part of the road, and including the necessary depot building at the way stations, I feel assured that the sum of \$25,000 per mile will cover the cost of the whole road. The extensive buildings which will be required at the termini granted in some other way. of the road will form an additional charge.

The work yet remaining between the north line of Westchester county and the city of Albany, or some point of junction on the Western railroad, is comparatively so light and easy, being free from tunnels, deep cuttings in rock, high embankments and bridges, that I feel the fullest confidence in stating that with an active prosecution of the work, a continuous line may be opened between New York and Albany in the fall of 1847.

The favorable character of this line in regard to curves and gradients, leaves no room to doubt that, with a well constructed road a high rate of speed may be accomplished .-The daily experience on the Norwich and Worcester railroad, which is inferior as regards curves and on the Long Island railroad, which has a maximum grade of 40 feet per mile, fully warrant the assertion that passenwood and water may be transported from New York to Albany in five hours, or at the rate of 30 miles per hour.

It is unnecessary at this day to urge the importance of prosecuting this road to com-pletion. The whole field has been travelled over so often that it would be but a reiteration of former arguments. A communication from the city of New York to the capi- measures to promote the safety of travellers. tal of the state at all seasons is imperatively demanded by the travelling public throughout the Union; its completion on this route is
called for by a large and populous district of
thestate, which without this avenue will remain
secluded and shut out from market, while its
productiveness on capital invested may be regarded at this time as a matter beyond ques

Making Railroad Iron in Trenton.—The State Gazette mentions that Mr. Cooper is fitting up his extensive iron works at Trenton for the purpose of
rolling rails. Iron founders and machinists are all
busily employed in getting the requisite machinery
ready, and the mill will be in operation by the first
of May. A contract has already been made with
the Camden and Amboy company for 2,000 tons, and
propositions have been made from other companies.
It is expected that the works will produce thirty tons

Pennsylvania Legislature—New York and Erie Railroad.—In the lower house, on Saturday 7th, the we are now able to prosecute the work with-bill granting the right of way to the New York and out hindrance or delay. Out of 97 farms Erie railroad through Pike county, in this state, was passed through, but 11 cases were submitted taken up by yeas 54, to nays 31—and passed through

> We trust it will find equal favor in all its stages and we should like to see equal liberality in relation to another great work, asking permission to pass over Pennsylvania soil-Pennsylvanians, more than any other people will be benefitted by every work of the kind that touches her territory. Let other people spend their money in developing Pennsylvania resources if they will-the money once invested cannot be carried away again except in the way of dividends, while the improvements made by its expenditure, are permanent, and should be sought rather than repelled.

Navigation at Pittsburg.—All our rivers, says the Pittsburgh Gazette of the 6th, are in fine navigable

The Monongahela improvement is in an excellent condition also, and boats arrive and depart

Virginia Wisdom .- The bill to incorporate the Potomac and Ohio railroad company, or in other words, to grant the right of way to the Baltimore and Ohio railroad company, has been indefinitely prostponed by a vote of 77 to 48.

And for this act many a man will yet sit upon the stool of repentance, unless the application shall be

In the senate, on the same day, the bill to incor-porate the Richmond and Ohio railroad company was passed, as it came from the house, and is a

Railroad Accident.—The Augusta Chronicle says that, "The Georgia railroad has been the theatre of another serious accident—the second within a few days. As the downward train was on its way on Wednesday night, when within a few miles of Craw fordsville, the passenger and baggage cars were sud-denly thrown from the track, down an embankment of some 3 or 4 feet, by which the former was very on some 3 of 4 feet, by which the former was very much broken, injuring, more or less, almost every passenger on board, one of whom, Mrs. Duncan, the wife of the Rev. Mr. Duncan, was said to be very seriously if not fatally. The other passengers escaped with some pretty severe bruises and cuts, though none were very serious. What caused this accident we have not been able to ascertain, though we leave that it was probably caused by the break we learn that it was probably caused by the break-ing of the "body bolt" of the baggage car."

We do not copy the accidents on railroads because we desire to give them greater publicity, but for the purpose of reminding the managers of railroads genger trains which shall only stop to take in erally, that the safety of their passengers demands their untiring vigilence, and to say that every car should undergo a thorough examination daily, and constantly. The amount of travel, and consequently the income of a railroad will be materially affected by the confidence of the community in the vigilant care of those in charge.

Every man interested in, or connected with railroads should bring mind to bear upon the adoption of

Making Railroad Iron in Trenton .- The State Ga

borers and others employed, so that good order and quiet has been maintained upon the
line.

It is cause for congratulation to the comIt is cause for will be employed.

We are well pleased to find the above notice in the papers. We are sure that the quantity specified will be exceeded rather than diminished, in the hands of the gentleman named, we never knew him to fall short of his promises.

Central, Vt. Railroad,-We understand that at the recent meeting of the directors in Boston, the engi-neer reported in favor of the Northfield route, which report was sustained by the directors. The board was equally divided—the president, governor Paine, deciding the question by the casting vote. Pwenturn Spirit Spirit

& cl

th is k

The work on the road in this town goes ahead briskly. A steam shovel will soon be in operation which according to all accounts will walk right through a sand bank.—Windsor Journal.

Products of Berkshire.-The Pittsfield Sun states that during the year 1845, there were sent from the depot of the Western railroad, in that town 25,704 bushels, equal to 1,285 tons of lime; 477 tons of marble; and 618 of cheese. Of the cheese 328 tons were sent to New York, and 290 tons to Boston.

New York and Beston Direct Railroad .- A New Haven paper of Saturday last, 7th inst., says that—"Some gentleman from Middletown, with an englneer, were in this city a day or two since, making investigations and consulting on the subject of a new and very feasible railroad route from New Haven through to Boston via. Middletown. The roule would be direct from this city to Connecticut river, from thence through Windham county near Pom-fret to Rhode Island, and then onward across an extensive section of country now out of reach of rail-roads in almost an air line to Boston.

"In connection with the road now contemplated

between New York and this city, this route would be almost in a straighi line, and furnish an inland route at least 30 miles shorter than any other now in operation between these two great cities. The peo-ple of Middletown are earnestly engaged in their ection of the enterprize, and that the Bostonians will attend to their portion of the route, no one will

We have been aware for some time past that an engineer has been making examinations of the country between Middletown and Boston with a view to ascertain the general features of the line, and we have understood from a source not apt to be far out of the way, in such matters, that a railroad may be constructed on that route which will be of the most favorable character in its grades and curves; and at the same time shorter, by more than twenty miles, than any other route between the two cities. Of course it should be denominated the "New York and Boston Direct railroad"-when completed, after the modern fashion in England, when getting up what are deemed by some as rival lines.

The writer says truly when he says "the Bostonians will attend to their portion of the route;" and we should not be surprized if the citizens of Middletown were to bring this matter before the people on the line east of Connecticut river, and in Boston, in a light so forcible that they will make an effort to carry it through. It will be seen by laying a rule on the map that a road from Boston, through Uxbridge, Mass., a corner of Rhode Island, Pomfret and Middletown, to Wallingford in Connecticut, on the New Haven and Hartford railroad, will be very nearly straight-then a little deviation to New Haven, and thence to New York will not exceed probably 226 miles. The route from Middletown to Boston will intermediate, between the Stonington and Providence roads on the one hand, and the New Haven and Springfield, and the Western and Worcester roads on the other.

ture, a large assortment of Railroad, Ship and Boat Spikes, from 2 to 12 inches in length, and of any form of head. From the excellence of the material always used in their manufacture, and their very general use for railroads and other purposes in this country, the manufacturers have no hesitation in warranting them fully equal to the best spikes in market dressed to the state of the state o DATENT HAMMERED RAILROAD, SHIP

will

ands e in ified ands

t the

aine, herd

tates ,704 ns of tons

New atengiking new aven route iver, n ex-

bluov land

nians will at an counew to d we r out ly be most nd at niles,

Of York after g up Bostoand iddlele on on, in ort to ale on ridge, Mid-New early , and 226 n will

Provi-Taven cester

FRENCH AND BAIRD'S PATENT SPARK ARRESTER.

de the examine an improved SPARK ways used in their manufacture; and their very general use for railroads and other purposes in this country, the manufacture have no bestation in warraing them any other purposes and their very general use for railroads and other purposes in this country, the manufacturers have no bestation in warraing them any other purposes and their very general them and the purpose in this country, the manufacturer have no bed has general relief to the subscriber at the works, will be promptly the executed. JOHN F. WINSLOW, Agend.

Albany Iron and Nail Works, Troy, N. Y.

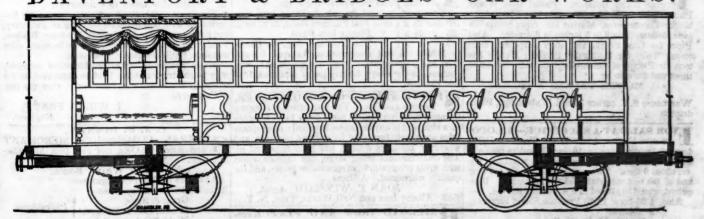
The above spikes may be had a factory prices, of climpton of the state of perfection that no analysis of the purpose of the properties, of the properties of the properti

BENTLEY'S PATENT TUBULAR STEAM BOILER. The above named Boiler is similar in principle to the Locomotive boilers in use on our Railroads. This particular method was invented by Charles W. Bentley, of Baltimore, Md., who has obtained a patent for the same from the Patent Office of the United States, under date of September 1st, 1843—and they are now already in successful operation in several of our larger Hotels and Public Institutions, Colleges, Alms Houses, Hospitals and Prisons, for cooking, washing, etc.; for Bath houses, Hatters, Silk, Cotton and Woollen Dyers, Morocco dressers, Soap boilers, Tallow chandlers, Pork butchers, Glue makers, Sugar refiners, Farmers, Distillers, Cotton and Woollen mills, Warming Buildings, and for Propelling Power, etc., etc.; and thus far have given the most entire satisfaction, may be had of D. K. MINOR, 23 Chambers st. New York.

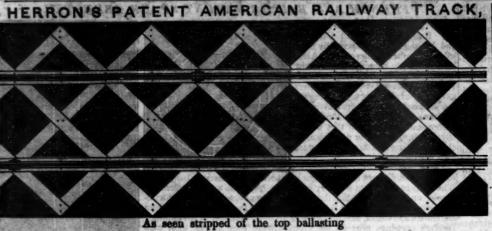
The article is complete in itself, occupies but little space, is perfectly portable, and requires no brick work, not even to stand upon. It is valuable not only in the saving of time and labor, but in the economy of fuel, as it has been ascertained by accurate measurement, that the saving in that article is fully two-thirds over other methods heretofore in use. They are now for the first time introduced into New York and Boston by the subscriber, who has the exclusive right for the New England states, New York and New Jersey, and are manufactured by

CURTIS & RANDALL, Boston; and by
FORCE, GREEN & CO. New York.

### DAVENPORT & BRIDGES' WORKS



DAVENPORT & BRIDGES CONTINUE TO MANUFACTURE TO ORDER, AT THEIR WORKS, IN CAMBRIDGEPORT, MASS-Passenger and Freight Cars of every description, and of the most improved pattern. They lso furnish Snow Ploughs and Chilled Wheels of any pattern, and size. Forged Axles, Springs, Boxes and Bolts for Cars at the lowest prices. All order punctually executed and forwarded to any part of the country. Our Works are within fifteen minutes ride from State street, Boston—coaches pass every fifteen minutes.



way Superstructure effect a large aggregate sav-ing in the working expenses, and maintenance of rail-ways, compared with the best tracks in use. This saving ways, compared with the best tracks in use. This saving is effected—ist, Directly by the amount of the increased load that will be hauled by a locomotive, owing to the superior evenness of surface, of line and of joint. This gain alone may amount to 20 per cent. on the usual load of an engine.—2d, In consequence of the thorough combination, bracing, and large bearing surface of this track, it will be maintained in a better condition than any other track in use at about one third the avenue. any other track in use, at about one-third the expense.

3d, As action and reaction are equal, a corresponding saving of about two-thirds will be effected in the wear saving of about two-thirds will be effected in the wear and tear of the engines and cars, by the even surface and elastic structure of the track.—4th, The great security to life, and less liability to accident or damage, should the engine or cars be thrown off the rails.—5th, The absence of jar and vibration, that shake down retaining walls, embankments and bridges.—6th, The great advantage of the high speed that may be safely attained, with ease of motion, reduction of noise, and consequently increased comfort to the traveller.—7th, The really permanent and perfect character of the Way, insuring regularity of travel, that would be induced by the foregoing qualities to augment the revenue of the railroad.

The cost of the Patent track will depend on the quantity and cost of iron and other materials; but it will not exceed, even including the preservation of the timber, the average cost of the tracks on our principal railroads. Generally, the timber structure, fastenings and workmanship, exclusive of the cost of the iron rails, will be
from \$2,300 to \$4,000 per mile. On this structure, rails
of fram 40 to 50 lbs. per yard, will be equa! in effect to

ERRON'S IMPROVEMENTS IN RAIL- 60 and 70 lbs. rails laid in the usual way. The proprietors of a road, furnishing approved materials in the first instance, the undersigned will construct the track on his plan in the most perfect manner, with recent improvements, for one thousand dollars per mile. And he will farther contract to maintain said track for the periwill fartner contract to maintain said track for the period of ten years, furnishing such preserved timber and iron fastenings as may be required, and keeping said track in perfect adjustment, under any trade not exceeding 100,000 tons per annum, or its equivalent in passenger transportition, for Two hundred dollars per mile per annum.\* To insure the faithful performance of this contract he will relate one fourth of the cost of concontract, he will pledge one-fourth of the cost of con-struction, with the accruing interest thereon, regularly vested, until the completion of the contract. So that a vested, until the completion of the contract. So that a company, by securing payment to the undersigned at the specified period, will have only \$750 per mile to pay for the workmanship on the track, without any charge being made for the use of the patent, the subsequent payments, for maintenance of way, and amount withheld, being made from the large margin of profits that will result from its use.

JAMES HERRON.

Civil Engineer and Patentee.

No. 277 South Tenth St., Philadelphia.

\* A general average of the repairs done on six of the most successful railroads in this country, for a period of from six to eight years' use has been found to exceed \$625 from six to eight years use has been found to exceed \$625 per mile per annum, exclusive of renewal of rails. But few roads in this country carry as much as 100,000 tons per annum. When a road exceeds that quantity, the repairs due to the additional tonnage, up to 200,000

R. CASEY, CIVIL ENGINEER, NO. 23 Chambers street, New York, will make survey estimates of cost and reports for railways, canals, roads, docks, wharves, dams and bridges of every description. He will also act as agent for the sale of machinery, and of patent rights for improvements to public works.

To Locomotive and marine engine Boiler Builders. Pascal Iron Works,
Philadelphia. Welded Wrought Iron Flues, suitable for Locomotives, Marine and other Steam Engine Boilers, from 2 to 5 inches in diameter. Also,
Pipes for Gas, Steam and other purposes; extra
strong Tube for Hydraulic Presses; Hollow Pisstrong Tube for Hydraulic Presses; Hydraulic Pre Pipes for Gas, Steam and other purposes; extra strong Tube for Hydraulic Presses; Hollow Pis-tons for Pumps of Steam Engines, etc. Manufac-tured and for sale by

MORRIS TASKER & MORRIS,

Warecouse S. E. corner 3d and Walnut Sts., Philadelphia

FOR SALE AT A SACRIFICE—A LOCOmotive Engine, 4 wheels and Tender. Cylinders 10 in. dia., Stroke 16 in., Cylinders inside of
smoze oor. Weight of engine, with wood and waer, about 9 tons. This engine and tender are new,
and of the best materials and workmanship. If required, would be altered to a 6 wheeled engine.

Also, 1 20-horse High Pressure Steam Engine.

1 Upright Hydraulic Press.

All of which will be sold low, on application to
T. W. & R. C. SMITH.

Founders and Machinists,

Alexandria D. C.

in Mines. A full assortment of Railroad Spikes, Boat and Ship Spikes. They are prepared to exe-cute orders for every description of Railroad Iron 1tf

PRING STEEL FOR LOCOMOTIVES,
Tenders and Cars. The Subscriber is engagep in manufacturing Spring Steel from 1½ to 6 inches in width, and of any thickness required: large quantities are yearly furnished for railroad purposes, and wherever used, its quality has been approved of. The establishment being large, can execute orders with great promptitude, at reasonable prices, and the quality warranted. Address

quality warranted. Address

JOAN F. WINSLOW, Agent,
j5a3 Albany Iron and Nail Works, Troy, N. Y.

RAILROAD IRON AND FIXTURES.
The Subscribers are ready to execute orders for the above, or to contract therefor, at a fixed price, delivered in the United States. DAVIS, BROOKS & CO. 30 Wall st., N. York.

THE AMERICAN RAILROAD

One square 15 00 One page per month..... One column "One square " 8 00 2 50 One square "One page, single insertion.....One column " "One square " " 3 00 One square " "
Professional notices per annum...

#### ENGINEERS and MACHINISTS.

J. F. WINSLOW, Albany Iron and Nail Works, Troy, N. Y. (See Adv.) TROY IRON AND NAIL FACTORY,

H. Burden, Agent. (See Adv.)
ROGERS, KETCHUM AND GROSVENOR, Patterson, N. J. (See Adv.)
S. VAIL, Speedwell Iron Works, near
Morristown, N. J. (See Adv.)
NORRIS, BROTHERS, Philadelphia Pa.

KITE'S Patent Safety Beam. (See Adv.) FRENCH & BAIRD, Philadelphia, Pa. (See Adv.)

NEWCASTLE MANUFACTURING COMPANY, Newcastle, Del. (See Adv.) ROSS WINANS, Baltimore, Md. CYRUS ALGER & Co., South Boston

Iron Company.
SETH ADAMS, Engineer, South Boston.
STILLMAN, ALLEN & Co., N. Y.
JAS. P. ALLAIRE, N. Y.
H. R. DUNHAM & Co., N. Y.
WEST POINT FOUNDRY, N. Y.
PHENIX FOUNDRY, N. Y.
P. HOE & Co., N. Y.

R. HOE & Co., N. Y.

ANDREW MENEELY, West Troy.
JOHN F. STARR, Philadelphia, Pa.
MERRICK & TOWNE, do.
HINCKLEY & DRURY, Boston.

C. C. ALGER, Stockbridge Iron Works, Stockbridge, Mass. BALDWIN & WHITNEY, Philadel-

phia, Pa.
THOMAS & EDMUND GEORGE, Philadelphia. (See Adv.)

DROVIDENCE AND WORCESTER

Railroad.—Notice to Contractors.

The Route of this Road will be prepared for Examination by Contractors on the 16th of February, and Proposals for the Graduation, Masonry, Bridges,

Timber, Spikes, Chains, etc., will be received after that date, untill the 25th of February.

Blank Proposals, with Specifications attached, may be obtained, and the Profiles examined, at the offices in Worcester and Providence, after the 16th of February.

T. WILLIS PRATT, Engineer.

GENERAL COMMISSION MERCHANT and Agent for Coal, and also Iron Manufactures, etc.

No. I CITY WHARP, Boston. Advances made on Consignments. Refer to Amos Binney, Boston. Grant & Stone,

Brown, Earl & Erringer, Philadelphia.
Weld & Seaver, Baltimore.

December 8, 1845.

BACK VOLUMES OF THE RAILROAD JOURNAL for sale at the office, No. 23 Chambers street.

SECOND C

Bupper R St. Reading, Wil Andover, Bra Newtown, K Newmarket, ver, Somersw Wells, Kenne

Winter Ar Monday, Oct will run daily Leave Bost ave Boston nd 31 p.m. 1, 31 and 5 p m., and 3 p. a.m., 9; a.r Special Tra Special Tra or Andover a

p.m. The Depot i Passengers ove 850 less notice i rate of the ditional valu

October 20, Boston road. I 

rains will ru aves Boston Accommoda p.m., and P. Dedham tra nd 10 p.m. Stoughton t All baggage N.B. The la am, will be Leave D.m. BRANCH

cting with th Stages conne Foxboro' St Seekonk S Pawtucket. alpole, Mass and from Me unton. New nection with CRIBNE